

PROJECTS IN KANSAS, 1960

Seene, D. L., and Noever, R. J.

Sheet 1

Cowley Counties)

Oil and Gas Investigations No.24

| County | Thickness of producing zone, feet | Average depth to producing zone, feet | Flowing | Pumping | Total | No. producing wells drilled in 1960 | No. active injection wells, 1960 | No. injection wells drilled in 1960 | Medium of injection | Source of water | Average bbl. water injected per well per day | Cumulative secondary oil recovery per developed acre, bbl. | Production attributable to secondary recovery in 1960, bbl. | No. |
|-----------------|-----------------------------------|---------------------------------------|---------|---------|-------|-------------------------------------|----------------------------------|-------------------------------------|---------------------|------------------------|--|--|---|-----|
| 13 | 750 | - | 3 | 3 | - | - | - | - | Salt water | Arbuckle | - | - | - | 1 |
| - | - | - | 139 | 139 | - | - | - | - | do | do | - | - | - | 2 |
| 20 | 660 | - | 8 | 8 | 1 | 3 | 0 | - | - | Stream | 32 | - | 1,000 | 3 |
| 10 | 650 | - | 14 | 14 | 0 | 12 | 0 | Fresh water | do | do | 20 | 450 | 14,126 | 4 |
| - | 660 | - | 31 | 31 | - | - | - | - | - | - | - | - | - | 5 |
| - | 700 | - | 23 | 23 | - | - | - | - | - | - | - | - | - | 6 |
| - | 730 | - | 14 | 14 | - | - | - | - | - | - | - | - | - | 7 |
| - | - | - | 199 | 199 | - | - | - | - | - | - | - | - | - | 8 |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 |
| - | - | - | 19 | 19 | - | - | - | - | - | - | - | - | - | 10 |
| 9 | 800 | 20 | 38 | 58 | 0 | 57 | 0 | Salt water | - | - | 25 | - | 34,099 | 11 |
| 17 | 765 | - | 9 | 9 | 1 | 8 | 0 | do | do | Kansas City and return | 46 | 890 | 9,827 | 12 |
| - | - | - | 17 | 17 | - | - | - | - | - | - | - | - | - | 13 |
| - | 840 | - | 24 | 24 | - | - | - | - | - | - | - | - | - | 14 |
| - | 860 | - | 14 | 14 | - | - | - | - | - | - | - | - | - | 15 |
| 30 | 800 | 138 | 9 | 147 | 0 | 124 | 0 | Fresh water | do | Neosho River | 12 | 3,638 | 34,150 | 16 |
| - | - | - | 25 | 25 | - | - | - | - | - | - | - | - | - | 17 |
| - | - | - | 214 | 214 | - | - | - | Salt water | do | Mississippian | - | - | - | 18 |
| - | 700 | - | 17 | 17 | - | - | - | - | - | - | - | - | - | 19 |
| - | - | - | 17 | 17 | - | - | - | - | - | - | - | - | - | 20 |
| 10-15 | 820 | - | 4 | 4 | 4 | 1 | 1 | Salt water | do | "Oswego" | 20 | - | * | 21 |
| 5-15 | 735 | - | 15 | 15 | 2 | 7 | 1 | do | do | "Oswego" and return | 25 | - | * | 22 |
| 5-15 | 860 | - | 7 | 7 | 5 | 3 | 0 | do | do | do | 30 | - | 14,941 | 23 |
| 10-15 | 850 | - | 9 | 9 | 1 | 4 | 1 | do | do | "Oswego" | 20 | - | 2,300 | 24 |
| - | - | - | 5 | 5 | - | - | - | - | - | - | - | - | - | 25 |
| - | 820 | - | 32 | 32 | - | - | - | - | - | - | - | - | - | 26 |
| - | - | - | 6 | 6 | - | - | - | - | - | "Oswego" | - | - | - | 27 |
| - | 830 | - | 6 | 6 | - | - | - | - | - | - | - | - | - | 28 |
| - | 800 | - | 2 | 2 | - | - | - | - | - | - | - | - | - | 29 |
| - | 890 | - | 49 | 49 | - | - | - | - | - | - | - | - | - | 30 |
| 10 | 780 | - | 21 | 21 | 0 | 17 | 5 | Salt water | do | "Salt sand" | 10-15 | 60 | 13,344 | 31 |
| - | 865 | - | 28 | 28 | - | - | - | - | - | - | - | - | - | 32 |
| - | 860 | - | 10 | 10 | - | - | - | - | - | - | - | - | - | 33 |
| 16 | 670 | - | 14 | 14 | 0 | 1 | 0 | Fresh water | do | River gravel | 20 | - | 0 | 34 |
| - | 830 | - | 27 | 27 | - | - | - | Salt water | do | Mississippian | - | - | - | 35 |
| Estimated wells | | | | 132 | | | | | | | Estimated secondary recovery | | 512,000 | |
| | | | | 158 | 1,201 | 1,359 | 237 | 8 | | | | | 635,787 | |

PERSON COUNTIES

PERSON COUNTIES

PERSON COUNTIES

| | | | | | | | | | | | | | | |
|----|-----|---|-----|-----|-----|----|---|----------------|----|-------------------|------------------------------|-------|--------|----|
| - | 900 | - | 126 | 126 | - | - | - | - | - | - | - | - | ** | 36 |
| - | 695 | - | 43 | 43 | - | - | - | - | - | - | - | - | * | 37 |
| - | - | - | 21 | 21 | - | - | - | - | - | - | - | - | * | 38 |
| - | - | - | 70 | 70 | - | - | - | - | - | - | - | - | * | 39 |
| | | | | 134 | 134 | | | | | | | | 26,200 | |
| 8 | 850 | - | 38 | 38 | 1 | 15 | 1 | Salt water | do | Mississippian | 30 | 250 | * | 40 |
| 25 | 760 | - | 64 | 64 | 0 | 47 | 0 | Salt and fresh | do | Gravel and return | 61 | 2,528 | 51,516 | 41 |
| - | 760 | - | 3 | 3 | - | - | - | - | - | - | - | - | - | 42 |
| | | | | 135 | 135 | 52 | 1 | | | | Estimated secondary recovery | | 31,500 | |
| | | | | | | | | | | | | | 83,016 | |

DATA ON SECONDARY RECOVERY PROJECTS IN KANSAS, 1960

By Goebel, E. D., Hilgman, P. L., Greene, D. L., and Noever, R. J.

Sheet 1

State Geological Survey of Kansas

(Includes Allen thru Cowley Counties)

Oil and Gas Investigations No. 24

| No. | Field | Operator | Project | Location | Cooperative or unitized | Year started | Total developed acres | Producing formation | Estimated oil produced, bbl. | Average depth to producing zone, feet | Flowing | Pumping | Total | No. producing wells drilled in 1960 | No. active wells, 1960 | No. injection wells drilled in 1960 | Medium of injection | Source of water | Average bbl. water injected per acre-ft. per day | Cumulative oil recovery per acre-ft. | Production attributable to recovery in 1960, bbl. | No. | |
|-----------------------------|----------------------|-----------------------------------|--------------------------------|---|-------------------------|--------------|-----------------------|---------------------|------------------------------|---------------------------------------|---------|---------|-------|-------------------------------------|------------------------|-------------------------------------|---------------------|----------------------------|--|--------------------------------------|---|-----|--|
| ALLEN COUNTY | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Bronson-Kania | Ray Bears, Jr. | Southeastern Co. | 4-25-218 | - | 1966 | 110 | "Bartlesville" | 13 | 750 | - | 3 | 3 | - | - | - | Salt water | Arbuckle | - | - | - | 1 | |
| 2 | do | Mark C. Colt | K-8 Project | 22,27,28,35-24-212;15-24-218 | - | 1961 | - | do | - | - | - | 139 | 139 | - | - | - | do | do | - | - | - | 2 | |
| 3 | Davis-Bronson | Jackson | Dewco Farm | 15-24-212 | Unit. | 1969 | 20 | do | 20 | 660 | - | 8 | 8 | 1 | 3 | 0 | - | Stream | 32 | - | 1,000 | 3 | |
| 4 | do | Stelzer Drig. Co. | Stelzer | 10-24-212 | do | 1959 | 60 | do | 10 | 550 | - | 14 | 14 | 0 | 12 | 0 | Fresh water | do | 20 | 450 | 14,126 | 4 | |
| 5 | Elmore-Shoestring | George Morris | Shoestring | 10-15-26-213 | - | 1941 | - | do | - | 700 | - | 31 | 31 | - | - | - | - | do | - | - | - | 5 | |
| 6 | do | Sohmmerhorn Oil | Trask and Gray | 16-26-212 | - | 1944 | - | do | - | 730 | - | 14 | 14 | - | - | - | - | do | - | - | - | 6 | |
| 7 | Elmore West | Deerfield Oil Corp. | Young and Newby | 32-25-212 | - | 1950 | - | do | - | - | - | 199 | 199 | - | - | - | - | do | - | - | - | 7 | |
| 8 | Humboldt-Chamata | Aylward | Humboldt | 20,29,30-26-188 | - | 1952 | - | do | - | - | - | - | - | - | - | - | - | do | - | - | - | 8 | |
| 9 | do | do | do | 4,5,6-26-182 | - | 1951 | - | do | - | - | - | - | - | - | - | - | - | do | - | - | - | 9 | |
| 10 | do | Aylward and Willis | Humboldt Unit | 15,16,21,22-188 | - | 1952 | - | do | - | - | - | 19 | 19 | - | - | - | - | do | - | - | - | 10 | |
| 11 | do | Rig Chief Drig. Co. | Wolf | 16,17,20,21-26-188 | Unit. | 1957 | 680 | "Bartlesville" | 9 | 800 | 20 | 38 | 58 | 0 | 57 | 0 | Salt water | do | 26 | - | 34,099 | 11 | |
| 12 | do | Creek Oil and Gas | Hemrichs | 22-26-182 | No | 1958 | 27 | do | 17 | 765 | - | 9 | 0 | 1 | 8 | 0 | do | Kansas City and return | 46 | 680 | 6,827 | 12 | |
| 13 | do | Callahan-Whitaker | Callahan-Whitaker | 19-26-192 | - | - | - | do | - | 840 | - | 24 | 24 | - | - | - | - | do | - | - | - | 13 | |
| 14 | do | Gamble, et al. | Wolfe-Benson | 24-24-171;19-26-182 | - | 1953 | - | "Bartlesville" | - | - | - | - | - | - | - | - | - | do | - | - | - | 14 | |
| 15 | do | Oldley | Diamond-Shelton | 16-26-198 | - | 1952 | - | do | - | 860 | - | 14 | 14 | - | - | - | - | do | - | - | - | 15 | |
| 16 | do | General American Oil Co. of Texas | Mason | 16,17,19,19,20-26-188 | - | 1959 | 322 | do | 30 | 800 | 136 | 9 | 147 | 0 | 124 | 0 | Fresh water | Neosho River | 12 | 3,636 | 34,160 | 16 | |
| 17 | do | Great Western Drig. Co. | Hausar | 13-26-182 | - | 1951 | - | do | - | - | - | 25 | 25 | - | - | - | - | Mississippian | - | - | - | 17 | |
| 18 | do | do | Humboldt | 13,14,23,24-26-182 | - | 1942 | - | "Bartlesville" | - | - | - | 214 | 214 | - | - | - | - | do | - | - | - | 18 | |
| 19 | do | B-R-S Oil Co. | Knox-Medlin | 18,19-26-208 | - | 1953 | - | do | - | 700 | - | 17 | 17 | - | - | - | - | do | - | - | - | 19 | |
| 20 | do | Johnston | Hooper-McGormick | 11,16,17-26-188 | - | - | - | do | - | - | - | 17 | 17 | - | - | - | - | do | - | - | - | 20 | |
| 21 | do | Jones and Campbell, Inc. | Butts Lease | 17-26-192 | - | 1960 | 20 | "Bartlesville" | 10-15 | 620 | - | 4 | 4 | 4 | 1 | 1 | Salt water | "Owega" | 20 | - | - | 21 | |
| 22 | do | do | Hendricks-Koeper | 11,14-26-192 | - | 1959 | 60 | do | 5-15 | 735 | - | 15 | 15 | 2 | 7 | 1 | do | "Owega" and return | 25 | - | - | 22 | |
| 23 | do | do | McGormick | 16-26-192 | - | 1959 | 40 | do | 6-15 | 860 | - | 7 | 7 | 5 | 3 | 0 | do | do | 30 | - | 14,941 | 23 | |
| 24 | do | do | Womack Unit | 5-26-182 | - | 1950 | 40 | do | 10-15 | 850 | - | 9 | 9 | 1 | 4 | 1 | do | do | 20 | - | 2,500 | 24 | |
| 25 | do | Oilfield Management | Campbell | 29-26-202 | - | 1958 | - | do | - | 820 | - | 32 | 32 | - | - | - | - | do | - | - | - | 25 | |
| 26 | do | Sinclair Oil and Gas | Iola Air and Gas Repressure | 21,22,28-25-188 | - | 1955 | - | "Bartlesville" | - | - | - | - | - | - | - | - | - | do | - | - | - | 26 | |
| 27 | do | C. A. Willis | Hooper | 23-26-182 | - | 1953 | - | do | - | 850 | - | 6 | 6 | - | - | - | - | do | - | - | - | 27 | |
| 28 | do | C. A. and Roy Willis | Krouse | 36-26-182 | - | 1957 | - | do | - | 800 | - | 2 | 2 | - | - | - | - | do | - | - | - | 28 | |
| 29 | do | do | Touss | 25-26-182 | - | 1957 | - | do | - | 890 | - | 49 | 49 | - | - | - | - | do | - | - | - | 29 | |
| 30 | Iola | J. A. Aylward | Monfort Block | 10,15,22-24-182 | - | 1956 | - | do | - | 890 | - | 49 | 49 | - | - | - | - | do | - | - | - | 30 | |
| 31 | do | Marvin E. Boyer Oil Co. | Boyer No. 1 Unit | 33,34-27-188;4-24-182 | - | 1960 | 90 | "Squirrel" | 10 | 780 | - | 21 | 21 | 0 | 17 | 5 | Salt water | "Salt sand" | 10-15 | 60 | 15,544 | 31 | |
| 32 | do | Joey Drig. | Iola | 14,15-26-192 | - | 1959 | - | "Bartlesville" | - | 865 | - | 28 | 28 | - | - | - | - | do | - | - | - | 32 | |
| 33 | do | Seville | Bartlesville Sand | 15-24-188 | - | 1957 | - | do | - | 860 | - | 10 | 10 | - | - | - | - | do | - | - | - | 33 | |
| 34 | do | Star Producers, Inc. | Lorance Farm | 24-24-182 | Unit. | 1959 | 60 | "Squirrel Sand" | 16 | 670 | - | 14 | 14 | 0 | 1 | 0 | Fresh water | Silver gravel | 20 | - | - | 34 | |
| 35 | do | A. P. Brigham, Jr. | B-R-L Oil Producers | 34,35-24-208 | No | 1958 | - | "Bartlesville" | - | 870 | - | 27 | 27 | - | - | - | - | Mississippian | - | - | - | 35 | |
| Total | | | | | | | | | 1,549 | | | 138 | | | 1,201 | | | 237 | | | 8 | | |
| ALLEN AND ANDERSON COUNTIES | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | Colony West and Iola | Mark C. Colt | Colony Unit | 5,9,16,16,21,22,27,74-23-188;7,4-24-188 | - | 1955 | - | "Squirrel" | - | 900 | - | 126 | 126 | - | - | - | - | do | - | - | - | 36 | |
| ALLEN AND WAGON COUNTIES | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | Bronson-Kania | Davis and Crowder | Jones-Bartlett | 26,34-24-212;3-25-212 | - | - | - | "Bartlesville" | - | 695 | - | 43 | 43 | - | - | - | - | do | - | - | - | 37 | |
| 38 | do | Davis Supply | Bucks-Clemings | 26,34-24-212 | - | - | - | do | - | - | - | 21 | 21 | - | - | - | - | do | - | - | - | 38 | |
| 39 | Davis-Bronson | Mark C. Colt | W-T | 9,10,14,15-24-212 | - | 1957 | - | do | - | - | - | 70 | 70 | - | - | - | - | do | - | - | - | 39 | |
| Total | | | | | | | | | 134 | | | 134 | | | 70 | | | 7 | | | 28,200 | | |
| ALLEN AND WAGON COUNTIES | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | Humboldt-Chamata | Deerfield Oil Corp. | MFA Unit | 36-26-182;1-27-182 | - | 1959 | 170 | "Bartlesville" | 8 | 850 | - | 78 | 38 | 1 | 15 | 1 | Salt water | Mississippian | 30 | 250 | - | 40 | |
| 41 | do | Knox Drilling Co., Inc. | K-7 Unit | 4-27-182 | Coop. | 1955 | 148 | do | 25 | 760 | - | 64 | 64 | 0 | 47 | 0 | Salt and fresh | Gravel and return | 61 | 2,528 | 51,516 | 41 | |
| 42 | do | Willie | Seefeldt | 32,33-26-182 | - | 1955 | - | do | - | 760 | - | 3 | 3 | - | - | - | - | do | - | - | - | 42 | |
| Total | | | | | | | | | 105 | | | 105 | | | 72 | | | 7 | | | Estimated secondary recovery | | |
| | | | | | | | | | | | | | | | | | | | | | 31,500 | | |
| | | | | | | | | | 800 | | | 423 | | | 1,238 | | | 523 | | | 88,016 | | |
| ANDERSON COUNTY | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | Bush City Shoestring | General American Oil Co. of Texas | Need, Connelly and Lorance | 4,5,7,8,18-21-212;12,15,14-21-205 | No | 1959 | 986 | "Squirrel" | 70 | 620 | 369 | 15 | 414 | 0 | 378 | 0 | Salt water | Arbuckle | 21 | 2,760 | 100,536 | 43 | |
| 44 | do | Keweenaw Oil Co. | Dango | 26,34-24-212;27,28,32,33-20-212 | - | 1947 | 774 | do | 18 | 600 | 116 | 24 | 142 | 0 | 127 | 0 | do | do | 6 | 3,273 | 42,427 | 44 | |
| 45 | do | Maracabo Oil Corp. | Starit | 8,9,16,17-21-208 | No | 1950 | 40 | do | 11 | 700 | - | 44 | 44 | - | - | - | do | do | - | - | - | 45 | |
| 46 | do | Salmon Oil Corp. | East and west Oko | 7,8,15,16-21-208 | Coop. | 1952 | 770 | do | 70 | 800 | 82 | 35 | 117 | 0 | 119 | 0 | do | Arbuckle and Mississippian | 19.5 | 2,495 | 74,946 | 46 | |
| 47 | Centerville | United Mines Co. | Centerville | 4,10,15,22-21-212 | - | 1947 | - | "Bartlesville" | 20 | 725 | 3 | 2 | 5 | 0 | - | 0 | do | Mississippian | - | - | - | 47 | |
| 48 | Colony-Melina | Brecheisen | Summers | 34-23-182 | - | 1958 | - | do | - | - | - | 8 | 8 | - | - | - | - | do | - | - | - | 48 | |
| 49 | do | R. S. Fess | Stauder, North Hyde Unit No. 1 | 20-25-192 | - | 1947 | - | "Squirrel" | - | 800 | - | 9 | 9 | - | - | - | - | do | - | - | - | 49 | |
| 50 | do | do | Unit No. 1 | 21,23,27,28-25-212 | Unit. | 1948 | - | do | 15 | 800 | - | 89 | 89 | - | - | - | - | do | - | - | - | 50 | |
| 51 | do | do | Unit No. 2 | 28,29,32,33-22-192 | - | 1956 | - | do | 17 | 800 | - | 14 | 14 | - | - | - | - | do | - | - | - | 51 | |
| 52 | do | do | Unit No. 3 | 2,3-22-192 | do | 1957 | - | do | 18 | 825 | - | 14 | 18 | - | - | - | - | do | - | - | - | 52 | |
| 53 | do | W. L. Horn and Sons | Unit No. 4 | 6-25-182 | do | 1957 | - | do | - | 800 | - | 13 | 13 | 0 | - | 0 | do | Well | 38.68 | - | - | | |

| No. | Field | Operator | Project | Location | Cooperative or unit | Year started | Total de-watered acres | Producing formation | Thickness of producing zone, feet | Average depth to producing zone, feet | Flowing | Pumping | Total | No. producing wells in 1960 | No. active injection wells, 1960 | No. injection wells drilled in 1960 | Source of water | Average oil-water injected per well per day | Cumulative secondary oil recovery developed acre, bbl. | Production attributable to secondary recovery in 1960, bbl. | No. |
|-------------------------------|--------------------|------------------------|--------------------------|-----------------------|---------------------|--------------|------------------------|---------------------|-----------------------------------|---------------------------------------|---------|---------|-------|-----------------------------|----------------------------------|-------------------------------------|-----------------|---|--|---|-----|
| 150 | Fox-Bush | Blair | "Bartlesville" | 14,22,23-29-52 | - | 1956 | - | "Bartlesville" | - | 2,780 | - | 17 | 17 | - | - | - | - | - | - | - | 150 |
| 151 | do | do | do | 15,16-29-52 | - | 1958 | - | do | - | 2,790 | - | 8 | 8 | - | - | - | - | - | - | - | 161 |
| 152 | do | do | do | 24-29-52 | No | 1956 | - | do | - | - | - | 6 | 6 | - | - | - | - | - | - | - | 162 |
| 153 | do | Wobill Oil Co. | North Fox-Bush Unit | 23,24,25,26, 36-28-52 | Unit. | 1961 | 888 | do | - | 2,800 | 0 | 16 | 16 | 0 | 15 | 0 | Salt water | 200 | - | 42,000 | 153 |
| 154 | do | Morrison | Fox Unit No. 1 | 1,12,13-29-52 | Unit. | 1943 | 568 | do | 25 | 2,800 | 0 | 59 | 59 | 3 | 35 | 0 | do | 140 | 2,250 | 104,688 | 154 |
| 155 | Garden | Sittrix | Mississippian | 29-26-52 | - | 1968 | - | Mississippian | - | 2,760 | - | 2 | 2 | - | - | - | - | - | - | - | 155 |
| 156 | Haverhill | Cities Service Oil Co. | Haverhill | 18,22,27,34-27-52 | Unit. | 1949 | 180 | "Bartlesville" | 50 | 2,700 | 0 | 19 | 19 | 1 | 8 | 0 | Salt water | 280 | 1,874 | 37,898 | 156 |
| 157 | Hazlett | Box and Morris | Flickinger Unit | 30,31-23-52 | - | 1958 | - | Conglomerate | - | 2,450 | - | 26 | 26 | - | - | - | - | - | - | - | 157 |
| 158 | Hickory Creek | Nadel and Gusman | Hickory Creek Unit | 11,14-28-52 | Unit. | 1957 | - | "Bartlesville" | - | - | - | 16 | 16 | - | - | - | Salt water | - | - | - | 158 |
| 159 | Highley | Francis-Central | do | 6-27-52 | - | 1956 | - | do | - | 2,721 | - | 4 | 4 | - | - | - | - | - | - | - | 159 |
| 160 | Kramer-Stern | Sittrix | Stern | 27,28,33-27-52 | - | 1959 | - | Viola | - | 3,075 | - | 9 | 9 | - | - | - | - | - | - | - | 160 |
| 161 | do | Texas, Inc. | F. Tabling | 26-27-52 | - | 1952 | 20 | do | 15 | 3,100 | 0 | 1 | 1 | 0 | 1 | 0 | Salt water | 60 | - | 5,150 | 161 |
| 162 | Leon | Staats | Snodgrass | 19-27-52 | - | 1955 | - | "Bartlesville" | - | 2,990 | - | 6 | 6 | - | - | - | - | - | - | - | 162 |
| 163 | do | do | Staats-Butler Unit | 19,20-27-52 | - | 1958 | - | do | - | 2,700 | - | 11 | 11 | - | - | - | - | - | - | - | 163 |
| 164 | McCaig | Augusta Oil | McCaig | 13-28-52 | - | 1959 | - | do | - | 2,715 | - | 2 | 2 | - | - | - | - | - | - | - | 164 |
| 165 | Wt. Tabor | Stelbar Oil Corp. | Stelbar | 25,26,36-29-48 | - | 1957 | - | do | - | 2,760 | - | 10 | 10 | - | - | - | - | - | - | - | 165 |
| 166 | Muddy Creek | Butler | Frash | 7-29-52 | - | 1959 | - | do | - | 2,750 | - | 5 | 5 | - | - | - | - | - | - | - | 166 |
| 167 | do | Orosa Producing | Stewart | 8-29-52 | - | 1958 | 50 | do | 12 | 2,700 | 0 | 4 | 4 | 0 | 1 | 0 | Salt water | 100 | 178 | 6,312 | 167 |
| 168 | do | Stelbar | Muddy Creek Unit | 7-29-52 | - | 1959 | - | do | - | 2,800 | - | 13 | 13 | - | - | - | - | - | - | - | 168 |
| 169 | Potwin | Wagner | Potwin | 25,36-24-52 | - | 1956 | - | Mississippian | - | 2,700 | - | 5 | 5 | - | - | - | - | - | - | - | 169 |
| 170 | Raynolds-Shaffer | Dumas and Strait | Brassey | 8-27-52 | - | 1957 | - | do | - | 2,760 | - | 2 | 2 | - | - | - | - | - | - | - | 170 |
| 171 | do | do | Bliss | 6-27-52 | - | 1954 | - | "Bartlesville" | - | 2,710 | - | 4 | 4 | - | - | - | - | - | - | - | 171 |
| 172 | do | Kaiser | Dougherty-McLean | 5-27-52 | - | 1954 | - | do | - | 2,700 | - | 6 | 6 | - | - | - | - | - | - | - | 172 |
| 173 | do | Midway Oil Co. | Dougherty-Palmer | 6-27-52 | - | 1954 | - | do | - | 2,700 | - | 5 | 5 | - | - | - | - | - | - | - | 173 |
| 174 | do | Snook-Glass | Falkenberg | 8-26-52 | No | 1955 | - | do | - | 2,700 | - | 6 | 6 | - | - | - | Salt water | - | - | - | 174 |
| 175 | do | Inger | Snook | 2-27-52 | - | 1955 | - | do | - | 2,700 | - | 2 | 2 | - | - | - | - | - | - | - | 175 |
| 176 | do | Bert I. Lebow | Slus | 26-26-52 | No | 1954 | 60 | "Bartlesville" | 20 | 2,360 | - | 2 | 2 | 0 | 1 | 0 | Salt water | 150 | 1,000 | 6,000 | 176 |
| 177 | do | do | Snook-Glass | 23-26-52 | - | 1955 | - | do | - | 2,880 | - | 7 | 7 | - | - | - | - | - | - | - | 177 |
| 178 | do | Morris | Deac | 17-26-52 | - | 1956 | - | "Bartlesville" | 0 | 2,710 | 0 | 3 | 3 | 0 | 2 | 0 | Salt water | 265 | 3,089 | 11,615 | 178 |
| 179 | do | Sully Oil Co. | Slus | 25,26-26-52 | Coop. | 1950 | 40 | do | 35 | 2,700 | 0 | 5 | 5 | 0 | 1 | 0 | Salt water | 703 | - | 4,617 | 179 |
| 180 | do | Texas, Inc. | C. A. Snook | 2-27-52 | - | 1951 | 70 | do | 18 | 2,810 | 0 | 39 | 39 | 1 | 39 | 1 | do | 50 | 0 | 0 | 180 |
| 181 | Snowden-McSwainy | Falout Oil Corp. | Snowden-McSwainy | 34-28-52 | Both | 1960 | 573 | do | - | 2,840 | - | 2 | 2 | - | - | - | - | - | - | - | 181 |
| 182 | do | Coering | Smith | 54-28-52 | - | 1957 | - | Mississippian | - | 2,840 | - | 3 | 3 | - | - | - | - | - | - | - | 182 |
| 183 | do | Box and Morris | do | 54-28-52 | - | 1959 | - | "Bartlesville" | - | 2,915 | - | 13 | 13 | - | - | - | - | - | - | - | 183 |
| 184 | do | do | Munch-Bartlesville | 8,9-29-52 | - | 1955 | - | do | 17 | 2,800 | 0 | 14 | 14 | 2 | 10 | 0 | Salt water | 176 | 0 | 0 | 184 |
| 185 | do | Earl F. Haxfield | Snowden-McSwainy | 9-29-52 | Coop. | 1950 | 0 | do | - | 2,170 | - | 2 | 2 | - | - | - | - | - | - | - | 185 |
| 186 | do | Coering-Hedrick | Stainhoff | 21-29-52 | - | 1955 | - | Kansas City | - | 2,450 | - | 11 | 11 | - | - | - | - | - | - | - | 186 |
| 187 | do | Coering-Hedrick | Keweenaw | 28-26-52 | - | 1954 | - | Viola | - | 2,745 | - | 7 | 7 | - | - | - | - | - | - | - | 187 |
| 188 | do | Young | Morris, et al. | Young | 28-26-52 | - | 1957 | - | Mississippian | - | 2,745 | - | 7 | 7 | - | - | - | - | - | - | 188 |
| | | | | | | | | | | Estimated wells | 28 | 28 | | | 75 | 75 | | | Estimated secondary recovery | 805,000 | |
| | | | | | | | | | | 17,112 | 4 | 1,584 | 1,588 | | | 75 | 75 | | | 8,948,210 | |
| BUTLER AND COMBEE COUNTIES | | | | | | | | | | | | | | | | | | | | | |
| 189 | Combe | Keweenaw Oil Co. | Dillard | 32,33-29-52 | - | 1954 | 270 | "Bartlesville" | 9 | 2,830 | 0 | 11 | 11 | 0 | 9 | 0 | Salt water | 172 | 1,019 | - | 189 |
| 190 | Combe and Fox-Bush | Stelbar Oil | Couch | 36-29-52 | - | 1957 | - | do | - | 2,800 | - | 9 | 9 | - | - | - | - | - | - | - | 190 |
| | | | | | | | | | | 270 | 10 | 20 | 20 | | | 9 | 9 | | | 30,843 | |
| BUTLER AND GREENWOOD COUNTIES | | | | | | | | | | | | | | | | | | | | | |
| 191 | Blankenship | Tidewater Oil Co. | Blankenship Pool | 10,16,17, 21-26-52 | Coop. | 1949 | 609 | "Bartlesville" | 33 | 2,450 | 0 | 20 | 20 | 0 | 17 | 0 | Salt water | 95 | 2,580 | 21,900 | 191 |
| CHASE COUNTY | | | | | | | | | | | | | | | | | | | | | |
| 192 | Taeter | Jackman and Jackman | Leady | 25-22-52 | - | 1955 | - | "Bartlesville" | - | 2,800 | - | 2 | 2 | - | - | - | - | - | - | - | 192 |
| 193 | do | Sunray Oil Corp. | do | 25-22-52 | - | 1958 | - | do | - | 2,570 | - | 11 | 11 | - | - | - | - | - | - | - | 193 |
| | | | | | | | | | | 11 | 11 | 11 | 11 | | | 11 | 11 | | | 45,300 | |
| CHATTAGUA COUNTY | | | | | | | | | | | | | | | | | | | | | |
| 194 | Borroun | Patterson | Borroun | 20-34-52 | - | 1959 | - | "Osawego" | - | 1,770 | - | 6 | 6 | - | - | - | - | - | - | - | 194 |
| 195 | Elgin | Dillingier | do | 32,33-34-102 | - | 1959 | - | "Peru" | - | 1,546 | - | 9 | 9 | - | - | - | - | - | - | - | 195 |
| 196 | do | Coering-Hedrick | Cookins | 9-35-102 | - | 1958 | - | do | - | 1,525 | - | - | - | - | - | - | - | - | - | - | 196 |
| 197 | do | do | Stokins | 34-34-102 | - | 1958 | - | do | - | 1,400 | - | - | - | - | - | - | - | - | - | - | 197 |
| 198 | do | do | Layton | 34-34-102 | - | 1958 | - | do | - | 1,550 | - | - | - | - | - | - | - | - | - | - | 198 |
| 199 | do | do | Williams-Sweeney | 15-35-102 | - | 1957 | - | do | - | 1,275 | - | 4 | 4 | - | - | - | - | - | - | - | 199 |
| 200 | do | Grayhol Oil Corp. | do | 13,14-35-92 | No | 1959 | 40 | "Wayneside" | 16 | 1,589 | - | 6 | 6 | 0 | 1 | 0 | Salt water | 60 | 0 | 0 | 200 |
| 201 | Half-Huge | Sewell and Hutton | "Wayneside" sand Project | | | | | | | | | | | | | | | | | | |

SS3.28
K1338
v. 24

GEOL

DATA ON SECONDARY RECOVERY

By Goebel, E. D., Hilpman, P. L.,

State Geological Survey of Kansas

(Includes Allen thr

| No. | Field | Operator | Project | Location | Cooperative or unitized | Year started | Total de- veloped acres | Producing formation |
|---------------|----------------------|--------------------------------------|-----------------------------|---|----------------------------|--------------|----------------------------|------------------------|
| ALLEN | | | | | | | | |
| 1 | Bronson-Xenia | Ray Beers, Jr. | Southeastern Co. | 4-25-21E | - | 1956 | 110 | "Bartlesville" |
| 2 | do | Mack C. Colt | K-B Project | 22,27,28,33- 24-21E;15- 24-21E | No | 1951 | - | do |
| 3 | Davis-Bronson | Jackson | Dawson Farm | 15-24-21E | Unit. | 1959 | 20 | do |
| 4 | do | Steiner Drlg. Co. | Steiner | 15-24-21E | do | 1959 | 60 | do |
| 5 | Elsmore-Shoestring | George Norris | Elsmore Shoestring | 10,15-26-21E | - | 1941 | - | do |
| 6 | do | Schermerhorn Oil | Trask and Gray | 16-26-21E | - | 1944 | - | do |
| 7 | Elsmore West | Deerfield Oil Corp. | Young and Newby | 32-25-21E | - | 1950 | - | do |
| 8 | Humboldt-Chanute | Aylward | Humboldt | 20,29,30-26- 18E | - | 1952 | - | - |
| 9 | do | do | do | 4,5,8-26-18E | - | 1951 | - | - |
| 10 | do | Aylward and Willis | Humboldt Unit | 15,16,21,22- 26-18E | - | 1952 | - | - |
| 11 | do | Big Chief Drlg. Co. | Wolf | 16,17,20,21- 26-19E | Unit. | 1957 | 680 | "Bartlesville" |
| 12 | do | Creek Oil and Gas | Henrichs | 22-26-18E | No | 1958 | 27 | do |
| 13 | do | Faulkner | Callahan-Whitaker | 19-26-19E | - | - | - | - |
| 14 | do | Gamble, et al. | Wolfe-Benson | 24-26-17E; 19-26-18E | - | 1953 | - | "Bartlesville" |
| 15 | do | Gidley | Diamond-Shelton | 16-26-19E | - | 1952 | - | do |
| 16 | do | General American Oil Co. of Texas | Matson | 16,17,18,19, 20-26-18E | - | 1938 | 322 | do |
| 17 | do | Great Western Drlg. Co. | Hauser | 15-26-18E | - | 1951 | - | - |
| 18 | do | do | Humboldt | 13,14,23,24- 26-18E | - | 1942 | - | "Bartlesville" |
| 19 | do | H-R-S Oil Co. | Knox-Wedin | 18,19-26-20E | - | 1953 | - | do |
| 20 | do | Johnstone | Hoepker-McCormick | 11,16,17-26- 19E | - | - | - | - |
| 21 | do | Jones and Campbell, Inc. | Butts Lease | 17-26-19E | - | 1960 | 20 | "Bartlesville" |
| 22 | do | do | Hendricks-Koepker | 11,14-26-19E | - | 1959 | 60 | do |
| 23 | do | do | McCormick | 16-26-19E | - | 1959 | 40 | do |
| 24 | do | do | Monarch Unit | 9-26-18E | - | 1960 | 40 | do |
| 25 | do | Oilfield Management | Campbell | 29-26-20E | - | 1958 | - | - |
| 26 | do | Sinclair Oil and Gas | Iola Air and Gas Repressure | 21,22,28-25- 18E | - | 1955 | - | "Bartlesville" |
| 27 | do | C. A. Willis | Hoepker | 25-26-18E | - | 1953 | - | do |
| 28 | do | C. A. and Roy Willis | Krouse | 36-26-18E | - | 1957 | - | do |
| 29 | do | do | Yount | 25-26-18E | - | 1957 | - | do |
| 30 | Iola | J. A. Aylward | Monfort Block | 10,15,22-24- 18E | - | 1956 | - | do |
| 31 | do | Marvin E. Boyer Oil Co. | Boyer No. 1 Unit | 33,34-23-18E; 4-24-18E | - | 1960 | 90 | "Squirrel" |
| 32 | do | Joey Drlg. | Iola | 14,15-25-19E | - | 1959 | - | "Bartlesville" |
| 33 | do | Sooville | Bartlesville Sand | 15-24-18E | - | 1957 | - | do |
| 34 | do | Star Producers, Inc. | Lorance Farm | 21-24-18E | Unit. | 1959 | 80 | "Squirrel Sand" |
| 35 | Moran | A. P. Brigham, Jr. | B-B-L Oil Producers | 34,35-24-20E | No | 1958 | - | "Bartlesville" |
| | | | | | | | 1,549 | |
| ALLEN AND AND | | | | | | | | |
| 36 | Colony West and Iola | Mack C. Colt | Colony Unit | 5,9,15,16,21, 22,27,34-23- 18E;3,4-24- 18E | - | 1955 | - | "Squirrel" |
| ALLEN AND BOU | | | | | | | | |
| 37 | Bronson-Xenia | Davis and Crowder | Jones-Bartlett | 26,34-24-21E; 3-25-21E | - | - | - | "Bartlesville" |
| 38 | do | Davis Supply | Bucks-Clemmings | 26,34-24-21E | - | - | - | - |
| 39 | Davis-Bronson | Mack C. Colt | M-T | 3,10,14,15- 24-21E | - | 1937 | - | - |
| ALLEN AND NE | | | | | | | | |
| 40 | Humboldt-Chanute | Deerfield Oil Corp. | MFA Unit | 36-26-18E; 1-27-18E | - | 1959 | 170 | "Bartlesville" |
| 41 | do | Keas Drilling Co., Inc. | K-T Unit | 4-27-18E; 32,33-26-18E | Coop. | 1955 | 148 | do |
| 42 | do | Willis | Seefeldt | 3-27-18E; 34-26-18E | - | 1955 | - | do |

| Producing zone, feet | Average depth to producing zone, feet | Flowing | Pumping | Total | No. producing wells drilled in 1960 | No. active injection wells, 1960 | No. injection wells drilled in 1960 | Medium of injection | Source of water | Average bbl. water injected per well per day | Cumulative secondary oil recovery per acre, bbl. | Production attributable to secondary recovery in 1960, bbl. | No. |
|------------------------------|---------------------------------------|---------|---------|-------|-------------------------------------|----------------------------------|-------------------------------------|---------------------|--------------------------|--|--|---|-----|
| - | 200 | - | - | - | - | - | - | - | - | - | - | - | 308 |
| 40 | - | - | 39 | 39 | 0 | - | 0 | Salt water | Arbuckle | - | - | - | 309 |
| - | - | - | 129 | 129 | - | - | - | - | - | - | - | - | 310 |
| - | 400 | - | 12 | 12 | - | - | - | - | - | - | - | - | 311 |
| 20 | 400 | 0 | 4 | 4 | 0 | 4 | 0 | Salt water | Arbuckle | 25 | - | 1,400 | 312 |
| - | - | - | 28 | 28 | - | - | - | - | - | - | - | - | 313 |
| 12 | 385 | 0 | 40 | 40 | 33 | 63 | 0 | Salt water | Arbuckle | 11 | 324 | 10,645 | 314 |
| - | 360 | - | 8 | 8 | - | - | - | - | - | - | - | - | 315 |
| 20 | 380 | 0 | 4 | 4 | 0 | 6 | 0 | Salt water | Arbuckle | 17 | 150 | 600 | 316 |
| Estimated wells | | | 34 | 34 | - | - | - | - | - | - | - | 19,700 | |
| | | | 298 | 298 | - | 73 | - | - | - | - | - | 32,345 | |
| Estimated secondary recovery | | | | | | | | | | | | | |
| 4 | 3,740 | 0 | 15 | 15 | 2 | 1 | 0 | Salt water | Dakota Sand | 318 | 0 | 0 | 317 |
| ION COUNTIES | | | | | | | | | | | | | |
| - | 2,300 | - | - | 44 | - | - | - | - | - | - | - | ** | 318 |
| COUNTY | | | | | | | | | | | | | |
| - | 840 | - | - | 2 | - | - | - | - | - | - | - | - | 319 |
| COUNTY | | | | | | | | | | | | | |
| 6 | 3,740 | 0 | 5 | 5 | 0 | 2 | 0 | Salt water | Lans.-K.C. and Topeka | 245 | 279 | 13,790 | 320 |
| COUNTY | | | | | | | | | | | | | |
| - | 2,375 | - | 18 | 18 | - | - | - | - | - | - | - | - | 321 |
| - | 670 | - | - | - | - | - | - | - | - | - | - | - | 322 |
| 9 | 610 | 0 | 4 | 4 | 0 | 1 | 0 | Salt water | New Albany | 40 | - | - | 323 |
| Estimated wells | | | 98 | 98 | - | - | - | - | - | - | - | - | |
| | | | 120 | 120 | - | - | - | - | - | - | - | - | |
| Estimated secondary recovery | | | | | | | | | | | | 31,500 | |
| COUNTY | | | | | | | | | | | | | |
| - | 3,650 | - | 6 | 6 | - | - | - | - | - | - | - | - | 324 |
| - | 3,300 | - | 1 | 1 | - | - | - | - | - | - | - | - | 325 |
| - | 3,405 | - | 5 | 5 | - | - | - | - | - | - | - | - | 326 |
| - | 3,545 | - | 5 | 5 | - | - | - | - | - | - | - | - | 327 |
| 10 | 3,425 | 0 | 2 | 2 | 0 | 1 | 0 | Salt water | Arbuckle | 95 | 131 | 4,602 | 328 |
| 7 | 3,200 | - | 4 | 4 | - | - | - | - | Lease water | - | - | - | 329 |
| - | 3,065 | - | 2 | 2 | - | - | - | - | - | - | - | - | 330 |
| - | 3,420 | - | 1 | 1 | - | - | - | - | - | - | - | - | 331 |
| 30 | 3,235 | 0 | 3 | 3 | 1 | 1 | 0 | Salt water | Dakota | 150 | 19 | 3,045 | 332 |
| - | 3,270 | - | 4 | 4 | - | - | - | - | - | - | - | - | 333 |
| 4 | 3,225 | 0 | 7 | 7 | 0 | 1 | 0 | Salt water | Arbuckle and Kansas City | 240 | - | - | 334 |
| - | 3,390 | - | 5 | 5 | - | - | - | - | - | - | - | - | 335 |
| - | 3,230 | - | 5 | 5 | - | - | - | - | - | - | - | - | 336 |
| Estimated wells | | | 50 | 50 | - | 3 | - | - | - | - | - | - | |
| | | | | | - | | - | - | - | - | - | - | |
| Estimated secondary recovery | | | | | | | | | | | | 67,400 | |
| | | | | | | | | | | | | 75,047 | |
| COUNTY | | | | | | | | | | | | | |
| 7 | 3,400 | 0 | 10 | 10 | 0 | 7 | 0 | Salt water | Arbuckle | 151 | 850 | 33,135 | 337 |
| COUNTY | | | | | | | | | | | | | |
| - | 3,150 | - | 16 | 16 | - | - | - | - | - | - | - | - | 338 |
| - | 3,220 | - | 4 | 4 | - | - | - | - | - | - | - | ** | 339 |
| | | | 20 | 20 | - | - | - | - | - | - | - | ** | |
| COUNTY | | | | | | | | | | | | | |
| - | 630 | - | 13 | 13 | - | - | - | - | - | - | - | - | 340 |
| - | 330 | - | 86 | 86 | - | - | - | - | - | - | - | - | 341 |
| - | 490 | - | - | - | - | - | - | - | - | - | - | - | |

| No. | Field | Operator | Project | Location | Cooperating or unit | Year started | Total developed acres | Producing formation | Thickness of zone, feet | Average depth to producing zone, feet | Flowing | Pumping | Total | No. producing wells drilled in 1960 | No. active wells, 1960 | No. injection wells drilled in 1960 | Medium of injection | Source of water | Average bbl. water injected per day | Cumulative secondary oil recovered per acre, bbl. | Production attributable to secondary in 1960, bbl. | No. |
|---------------------------------|------------------------|---|-------------------------|---|---------------------|--------------|-----------------------|------------------------|-------------------------|---------------------------------------|---------|---------|-------|-------------------------------------|------------------------|-------------------------------------|----------------------|-----------------------------|-------------------------------------|---|--|-----|
| HARPER COUNTY | | | | | | | | | | | | | | | | | | | | | | |
| 460 | Gish | Skelly Oil | Gish | 17,19,20-31-6N | - | 1957 | - | Simpson | - | 4,710 | - | 16 | 16 | - | - | - | - | - | - | - | ** | 460 |
| HARVEY AND MCHESSON COUNTIES | | | | | | | | | | | | | | | | | | | | | | |
| 461 | Hermac | Brunson-Spices, Inc. | Hermac Unit | 36,36-21-3W; 1,2-22-2W | Coop. | 1959 | - | "Benton" | 11 | 3,526 | - | 22 | 22 | - | - | - | - | - | - | - | ** | 461 |
| HODGSON COUNTY | | | | | | | | | | | | | | | | | | | | | | |
| 462 | Hallet | Kowman Oil Co. | Hallet | 10,15,22-22-28N | 100% Co. Owned | 1960 | 190 | Mississippian | 22 | 4,610 | - | 16 | 16 | 0 | 4 | 0 | - | 880' Sand | 120 | - | 0 | 462 |
| 463 | Purdyville | Armer | Schraeder | 5-24-24W | - | 1959 | - | do | - | 4,680 | - | 6 | 6 | - | - | - | - | - | - | - | ** | 463 |
| KINGMAN AND PRATT COUNTIES | | | | | | | | | | | | | | | | | | | | | | |
| 464 | Cunningham | Skelly Oil Co. | Cunningham "B" Unit | 19,30,31-27-10N;24,25,26-27-11W | Unit. | 1956 | 1,100 | Lansing Lime | 16 | 3,400 | - | 31 | 31 | 0 | 21 | 0 | Water and Gas | Shallow gravel | 274 | 1,234 | 62,172 | 464 |
| KINGMAN AND SEDGWICK COUNTIES | | | | | | | | | | | | | | | | | | | | | | |
| 465 | Bartholomew | Cities Service Petroleum | Bartholomew Unit | 29,30,31-27-4W;36-27-5N; 6-28-4W;11-28-5N | Unit. | 1956 | 180 | Mississippian | 11 | 5,700 | - | 39 | 39 | 0 | 8 | 0 | Salt | Arbuckle and Produced | 665 | 99 | 16,534 | 465 |
| LABETTE COUNTY | | | | | | | | | | | | | | | | | | | | | | |
| 466 | Coffeyville-Cherryvale | Helms | McClallan | 25-33-17E | - | 1958 | - | "Bartlesville" | - | 676 | - | 4 | 4 | - | - | - | - | - | - | - | - | 466 |
| 467 | do | McKie | McKie | 14-33-17E | - | 1955 | - | do | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | 467 |
| 468 | do | Oakleaf Drig. | Oakleaf | 23-32-17E | - | 1960 | - | "Bartlesville" | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | 468 |
| 469 | do | Davis and Berni | Brown-Wilmoth | 12,13-34-18E | No | 1954 | - | do | - | 650 | - | 6 | 6 | - | - | - | - | Arbuckle | - | - | - | 469 |
| 470 | Wound Valley | Ralph Helms | B and K Flood | 22-32-18E | No | 1956 | 70 | "Squirrel" | 25 | 650 | 0 | 12 | 12 | 2 | 6 | 0 | do | Arbuckle and return | 76 | - | 10,890 | 470 |
| 471 | Price | O. B. Helms | Helms Farm | 4,5-33-18E | No | 1956 | 70 | "Bartlesville" | 15 | 560 | 0 | 7 | 7 | 1 | 3 | 0 | Fresh and Salt water | 30' Well and return | 200 | 800 | 8,932 | 471 |
| 472 | do | Ralph Helms and Larry Moore Ranch, Inc. | K and H Flood | 4-33-18E | Unit. | 1959 | 40 | "Squirrel" | 25 | 550 | 0 | 11 | 11 | 0 | 4 | 0 | do | Pond and return | 30 | - | 10,023 | 472 |
| 473 | do | Veeder Supply | Labette County | 7,8-33-18E | - | 1952 | - | "Bartlesville" | - | - | - | 14 | 14 | - | - | - | - | - | - | - | - | 473 |
| | | | | | | | | | | Estimated wells | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | |
| | | | | | | | | | | Estimated secondary recovery | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | |
| LABETTE AND MONTGOMERY COUNTIES | | | | | | | | | | | | | | | | | | | | | | |
| 474 | Coffeyville-Cherryvale | Continental Oil Co. | Country Club | 26,27-32-17E | Coop. | 1955 | 320 | "Bartlesville" | 25 | 760 | 0 | 32 | 32 | 0 | 10 | 0 | Salt water | Mississippian | 79 | 919 | 28,916 | 474 |
| LEWIS COUNTY | | | | | | | | | | | | | | | | | | | | | | |
| 475 | Centerville | Fall and Wolfe Oil Co. | Group 6 | 10,11,13,14, 24-21-22;19, 20,29,50-20-22E | Coop. | 1935 | - | "Squirrel" | 40 | 480 | 111 | 16 | 127 | 0 | 90 | 0 | Fresh and Salt water | Return and Stream | - | - | - | 475 |
| 476 | Goodrich-Parker | General American Oil Co. of Texas | Goodrich | 19,20,29,30-20-22E | No | 1944 | 210 | do | 50 | 570 | 81 | 17 | 98 | 0 | 98 | 0 | Salt water | Mississippian | 16 | 2,223 | 21,571 | 476 |
| 477 | LaCygne-Cadmus | do | LaCygne | 2,3-20-23E; 34,35,36-19-23E | No | 1942 | 81 | "Pruce" | 20 | 250 | 44 | 6 | 50 | 0 | 45 | 0 | do | "Willcox Sand" | 33 | 2,097 | 7,833 | 477 |
| | | | | | | | | | | Estimated wells | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | |
| | | | | | | | | | | Estimated secondary recovery | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | |
| LYON COUNTY | | | | | | | | | | | | | | | | | | | | | | |
| 478 | Attyeo-Pikeas | Barbara Oil Co. | Jones | 50-21-10E | Coop. | 1948 | - | "Bartlesville" | - | - | - | 5 | 5 | - | - | - | Salt water | Arbuckle and "Bartlesville" | - | - | - | 478 |
| 479 | do | The Ohio Oil Co. | Attyeo Communitization | 50,51-21-10E | Coop. | 1947 | 280 | do | 35 | 2,200 | 0 | 12 | 12 | 0 | 9 | 0 | do | Arbuckle and Produced | 140 | 5,297 | 50,516 | 479 |
| 480 | do | do | Hughes | 19-21-10E | No | 1939 | 24 | do | 35 | 2,200 | 0 | 1 | 1 | 0 | 1 | 0 | do | Douglas and Produced | 75 | 3,168 | 4,916 | 480 |
| 481 | do | Stewart | Low | 19-21-10E | - | 1955 | - | do | - | 2,200 | - | 1 | 1 | - | - | - | - | - | - | - | - | 481 |
| 482 | Fankhauser | Berents | Neusteen | 50-21-12E | - | 1955 | - | do | - | 1,900 | - | 3 | 3 | - | - | - | - | - | - | - | - | 482 |
| 483 | do | Hugo Oil | Loucke-Phillips | 73-21-12E | - | 1945 | - | do | - | 1,950 | - | 11 | 11 | - | - | - | - | - | - | - | - | 483 |
| 484 | do | W. W. Michalis | Jett-Childers | 32-21-12E | Coop. | 1956 | - | do | - | 1,900 | - | 5 | 5 | - | - | - | Salt water | "Bartlesville" | - | - | - | 484 |
| 485 | do | White and Ellis | Harlan | 51,73-21-12E | - | 1955 | - | do | - | 1,900 | - | 8 | 8 | - | - | - | - | - | - | - | - | 485 |
| 486 | Rock Creek | Murphy | Murphy | 32-21-12E | - | 1957 | - | do | - | 1,875 | - | 6 | 6 | - | - | - | - | - | - | - | - | 486 |
| | | | | | | | | | | Estimated wells | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | |
| | | | | | | | | | | Estimated secondary recovery | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | |
| MCPherson COUNTY | | | | | | | | | | | | | | | | | | | | | | |
| 487 | Chidnberg | George Hess | Swanson | 13-19-2W | - | 1957 | - | Mississippian | - | 2,950 | - | 1 | 1 | - | - | - | - | - | - | - | - | 487 |
| 488 | Georob | Colorado Oil and Gas | Robinson | 1-19-2W; 36-17-2E | - | 1959 | - | do | - | 2,800 | - | 5 | 5 | - | - | - | - | - | - | - | - | 488 |
| 489 | Gossell | Sutton and Sons | Gossell | 12-21-1W | - | 1959 | - | "Hutton" | - | 3,400 | - | 2 | 2 | - | - | - | - | - | - | - | - | 489 |
| 490 | do | Time Petroleum | Gossell | 1-21-1W | - | 1960 | - | do | - | 3,395 | - | 3 | 3 | - | - | - | - | - | - | - | - | 490 |
| 491 | Graber | Cities Service Petroleum | Graber | 31,32-21-1W | Coop. | 1952 | 80 | do | 25 | 3,285 | - | 6 | 6 | 2 | 1 | 0 | Fresh water | Shallow water sand | 61 | 3,223 | 39,647 | 491 |
| 492 | do | Continental | do | 20,29,29,31, 32-21-1W | - | 1947 | - | do | - | 3,200 | - | 84 | 84 | - | - | - | - | - | - | - | - | 492 |
| 493 | Jenday | Colorado Oil and Gas | Day | 1-19-2W;6-19-1W | - | 1956 | - | Mississippian Chat | - | 2,975 | - | 7 | 7 | - | - | - | - | - | - | - | - | 493 |
| 494 | do | Tennessee Gas, et al. | Jenday | 6-19-1W | - | 1957 | - | do | - | 2,940 | - | 5 | 5 | - | - | - | - | - | - | - | - | 494 |
| 495 | Lindberg | Leland Pites | Hoglund | 18-17-2W | - | 1958 | - | Viola | - | 2,400 | - | 2 | 2 | - | - | - | - | - | - | - | - | 495 |
| 496 | McPherson | Leonard Bruce | Kohlander | 70-19-2W | - | 1958 | - | Kansas City | - | 2,940 | - | 2 | 2 | - | - | - | - | - | - | - | - | 496 |
| 497 | do | Lawrence and Bush | Anderson A and B | 31,32-18-2E | Coop. | 1959 | 160 | Kansas City Line | 10 | 2,300 | 0 | 6 | 6 | 0 | 1 | 0 | Salt water | Mississippian | 130 | 60,825 | 9,732 | 497 |
| 498 | do | Wend Prod. | Beaton | 32-18-2E | - | 1960 | - | Lans.-K.C. | - | 2,350 | - | 3 | 3 | - | - | - | - | - | - | - | - | 498 |
| 499 | Faden | Anderson-Prichard | Faden | 10,18-18-1W | - | 1957 | - | Viola | - | 2,150 | - | 15 | 15 | - | - | - | - | - | - | - | - | 499 |
| 500 | Ritz-Canton | Cooperative Refinery Association | Sutton-Kendson | 23,28-19-2W | No | 1960 | 120 | Mississippian Chat | 20 | 2,970 | 0 | 6 | 6 | 0 | 2 | 0 | Salt water | Produced water | 400 | 17.4 | 2,086 | 500 |
| 501 | do | do | Dunah | 34-19-2W | No | 1959 | 80 | Mississippian Dolomite | 4 | 2,948 | 0 | 2 | 2 | 0 | 1 | 0 | do | Produced Mississippian | 80 | 42.5 | 3,013 | 501 |
| 502 | do | George Hess | Swanson | 55-19-2W | - | 1959 | - | Mississippian Chat | - | 2,950 | - | 2 | 2 | - | - | - | - | - | - | - | - | 502 |
| 503 | do | do | Dunah | 16-19-2W | - | 1957 | - | Mississippian | - | 2,975 | - | 2 | 2 | - | - | - | - | - | - | - | - | 503 |
| 504 | do | Hess and Helms | Jones | 9-19-2W | - | 1957 | - | do | - | 2,950 | - | 4 | 4 | - | - | - | - | - | - | - | - | 504 |
| 505 | do | Frank Jones | Pinkie | 23,19-2W | - | 1960 | - | do | - | 2,940 | - | 4 | 4 | - | - | - | - | - | - | - | - | 505 |
| 506 | do | do | Johnson | 23-19-2W | - | 1959 | - | do | - | 2,990 | - | 6 | 6 | - | - | - | - | - | - | - | - | 506 |
| 507 | do | Missgrove Drig. | Lively | 21,22-19-2W | - | 1960 | - | do | - | 2,950 | - | 5 | 5 | - | - | - | - | - | - | - | - | 507 |
| 508 | do | Katel and Gusman | Dunah | 35-19-2W | - | 1958 | - | Viola | - | 2,960 | - | 4 | 4 | - | - | - | - | - | - | - | - | 508 |
| 509 | do | Shell Oil | Mississippian and Viola | 17,14-19-2W | - | 1956 | - | Mississippian | - | 2,890 | - | 13 | 13 | - | - | - | - | - | - | - | - | 509 |
| 510 | do | O. J. Salinger | Suffield | 28-19-2W | - | 1955 | 240 | Viola | - | 2,300 | - | 7 | 7 | 0 | - | 0 | - | - | - | - | - | 510 |
| 511 | Barbury South | Natural Gas and Oil Co. | Barbury Unit | 11-17-22E | Coop. | 1958 | 120 | Mississippian Chat | 5 | 2,688 | 0 | 2 | 2 | 0 | 1 | 0 | Salt water | Mississippian | 878 | 84 | 3,315 | 511 |
| 512 | Walloh-Bornholdt | Shade and Berry | Watson | 28-19-2W | - | 1959 | - | do | - | 3,440 | - | 2 | 2 | - | - | - | - | - | - | - | - | 512 |
| 513 | do | Sierra Petroleum | Winton | 30-19-2W | - | 1959 | - | Mississippian | - | 3,415 | - | 8 | 8 | - | - | - | - | - | - | - | - | 513 |
| | | | | | | | | | | Estimated wells | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | |
| | | | | | | | | | | Estimated secondary recovery | | | | | | | | | | | | |

DATA ON SECONDARY RECOVER

By Goebel, E.D., Hilpman, P.

State Geological Survey of Kansas

(Includes Crawford

| No. | Field | Operator | Project | Location | Cooperative or unitized | Year started | Total developed acres | Producing formation |
|-----|---------------------|--------------------------------------|-----------------------------|---|-------------------------|--------------|-----------------------|---------------------------------|
| 308 | "Houston" | Golden | Houston | 3-31-22E | - | - | - | "Bartlesville" |
| 309 | McCune | Bud Oil Co. | Bud Oil Co. | 6,7-30-22E | No | 1953 | 480 | McCune "Stray" |
| 310 | do | General Oil and Gas | McCune | 1-31-21E; 19,30,31-30- 22E;6-31-22E | - | 1952 | - | do |
| 311 | St. Paul-Walnut | Cooper | Bundy | 36-28-21E | - | 1958 | - | "Bartlesville" |
| 312 | do | Walters Drlg. Co. | O'Brien | 35-28-21E | No | 1953 | 30 | do |
| 313 | Walnut-Southeast | Aylward | Hess-Walsh | 33-28-22E | - | - | - | do |
| 314 | do | General American Oil Co. of Texas | Walnut | 27,28-28-22E | No | 1951 | 149 | do |
| 315 | do | Osage Petroleum | Phillips Air Repress. Proj. | 28-28-22E | - | 1956 | - | do |
| 316 | do | Walters Drilling | Bollwinkle-Wintjen | 26,27-28-22E | No | 1960 | 15 | do |
| | | | | | | | 674 | |
| 317 | Pollnow | Anderson-Prichard Oil Co. | Pollnow Unit | 4,5,8,9-3- 29W | Unit. | 1960 | 1,100 | Lans.-K.C. |
| 318 | Lost Springs | McPherson | Lost Springs | 3,10-17-4E; 27,33,34-16-4E | - | 1958 | - | Mississippian |
| 319 | Baldwin | Russel Hayes | Baldwin | 9-15-20E | - | 1959 | - | "Squirrel" |
| 320 | Enlow | Natural Gas and Oil Co. | Enlow Unit | 4,9-24-16W | Coop. | 1956 | 140 | Lans.-K.C. Line |
| 321 | Bush-Denton | Elk Petroleum | Kyser A | 9,10-30-9E | - | 1956 | - | Mississippian "Lim |
| 322 | Hale-Inge | Union Gas System | Inge Group | 27,34-31-12E | - | 1958 | - | Longton Shallow Sa |
| 323 | New Albany | C. F. Jones | Manderscheid | 9-29-13E | No | 1960 | - | New Albany Sand |
| 324 | Bemis-Shutts | Vye | Hall-Windholtz | 2,3-12-17W | - | 1960 | - | Arbuckle |
| 325 | Catherine | Giebler | Giebler | 10-13-17W | - | 1960 | - | Kansas City |
| 326 | Catherine Northwest | Bove | Walter Unit | 4,9-13-17W | - | 1955 | - | Lans.-K.C. |
| 327 | Cromb | Leslie Oil, et al. | Cromb | 15-11-20W | - | 1957 | - | Kansas City |
| 328 | Degenhart | Tenneco Oil Co. | Degenhardt | 15,16-15-17W | No | 1959 | 35 | Lans.-K.C. |
| 329 | Dreiling | The Atlantic Refining Co. | Dreiling Field | 22-14-16W | Coop. | 1957 | - | do |
| 330 | Dreiling Southeast | Sun Oil | Heyl | 26-14-16W | - | 1958 | - | do |
| 331 | Eagle Creek | Tennessee Gas | Madden | 2-11-20W | - | 1958 | - | do |
| 332 | Emmeram | Cooperative Refinery Association | Froelich | 4-13-16W | No | 1959 | 180 | do |
| 333 | Emmeram Northeast | Kewanee Oil | do | 34-12-16W | - | 1959 | - | Kansas City |
| 334 | Fairport | Solar Oil Co. | Wisland | 36-12-16W | Coop. | 1957 | 160 | Lans.-K.C. |
| 335 | Herl | Lion Oil | Herl | 28-14-17W | - | 1958 | - | Kansas City |
| 336 | Herzog | Hinkle Oil | Herzog | 32-13-16W | - | 1959 | - | do |
| | | | | | | | 375 | |
| 337 | Brungardt | Champlin Oil and Refining Co. | Brungardt | 2-11-17W; 35,36-10-17W | Unit. | 1956 | 237 | "Pennsylvanian conglomerate" |
| 338 | Genaseo-Edwards | Continental Oil | Shonyo-Shumway | 9,10-17-8W | - | 1960 | - | Simpson |
| 339 | Heiken | Wentworth Drlg. | Strun | 36-17-10W | - | 1959 | - | "Conglomerate San |
| 340 | Paola-Rantoul | Daniel | Coulter | 5,6-18-21E | - | 1942 | - | "Squirrel" |
| 341 | do | Gardner Co. | Rantoul | 22,27-17-21E | - | 1941 | - | "Peru" "Squirrel" |

Y PROJECTS IN KANSAS, 1960

Beene, D.L., and Noever, R.J.

Sheet 5

Woodson Counties)

Oil and Gas Investigations No. 24

| County | Producing zone, feet | Average depth to producing zone, feet | Flowing | Pumping | Total | No. producing wells drilled in 1960 | No. active injection wells, 1960 | No. injection wells drilled in 1960 | Medium of injection | Source of water | Average bbl. water injected per well per day | Cumulative secondary oil recovery per developed acre, bbl. | Production attributable to secondary recovery in 1960, bbl. | No. |
|-----------------|----------------------|---------------------------------------|---------|---------|-------|-------------------------------------|----------------------------------|-------------------------------------|----------------------|------------------------------|--|--|---|-----|
| - | - | - | 62 | 62 | - | - | - | - | - | City water and Mississippian | - | - | - | 575 |
| - | 500 | - | 1 | 1 | - | - | - | - | - | Mississippian | - | - | - | 576 |
| 12 | 550 | - | 164 | 164 | 23 | - | - | 15 | Fresh and salt water | City and return | 15 | 2,000 | 25,000 | 577 |
| 15 | 600 | 0 | 7 | 7 | 0 | 2 | 0 | 0 | do | Cherokee Shale and return | 15 | - | 4,025 | 578 |
| - | - | - | 240 | 240 | - | - | - | - | - | - | - | - | - | 579 |
| - | - | - | 20 | 20 | - | - | - | - | - | - | - | - | - | 580 |
| - | 750 | - | 70 | 70 | - | - | - | - | Salt water | Mississippian | - | - | - | 581 |
| - | - | - | 2 | 2 | 2 | 1 | - | - | - | - | - | - | - | 582 |
| 10 | 690 | 0 | 2 | 2 | 2 | 1 | 1 | 1 | Salt water | Oswego | 35 | 0 | 100 | 583 |
| 35 | 750 | 0 | 31 | 31 | 5 | 18 | 0 | 0 | do | Mississippian Lime | 75 | 1,115 | 13,780 | 584 |
| 30 | 825 | 0 | 8 | 8 | 0 | 5 | 0 | 0 | do | do | 41 | 418 | 3,550 | 585 |
| 25 | 750 | 48 | 87 | 135 | 0 | 82 | 0 | 0 | Fresh and salt | Gravel and Return water | 41 | 3,453.68 | 29,207 | 586 |
| 25 | 760 | 387 | 19 | 406 | 0 | 374 | 0 | 0 | do | do | 38 | 3,898.23 | 78,942 | 587 |
| 7 | 725 | 0 | 6 | 6 | 0 | 1 | 0 | 0 | Fresh | Upper Formation | - | - | 3,600 | 588 |
| - | 800 | - | 4 | 4 | - | - | - | - | - | - | - | - | - | 589 |
| - | 750 | - | 7 | 7 | - | - | - | - | - | - | - | - | - | 590 |
| 17 | 850 | - | 12 | 12 | 0 | 7 | 0 | 0 | Salt water | Kansas City and return | 14 | 565 | 4,601 | 591 |
| - | 440 | - | 25 | 25 | - | - | - | - | - | - | - | - | - | 592 |
| - | - | - | 10 | 10 | - | - | - | - | Fresh water | Shallow | - | - | - | 593 |
| - | - | - | 25 | 25 | - | - | - | - | do | Surface water | - | - | - | 594 |
| - | 500 | - | 17 | 17 | - | - | - | - | - | - | - | - | - | 595 |
| - | 475 | - | 8 | 8 | - | - | - | - | - | - | - | - | - | 596 |
| - | 500 | - | 4 | 4 | - | - | - | - | - | - | - | - | - | 597 |
| - | 480 | - | 17 | 17 | - | - | - | - | - | - | - | - | - | 598 |
| 15 | 500 | - | 6 | 6 | - | - | - | - | Salt water | Oswego | - | - | - | 599 |
| 16 | 475 | 0 | 17 | 17 | 2 | 3 | 0 | 0 | Fresh | Fresh well | 15 | 0 | - | 600 |
| 11 | 790 | - | 8 | 8 | 0 | 5 | 0 | 0 | Salt water | Kansas City and return | 31 | 71 | 2,269 | 601 |
| - | 680 | - | 28 | 28 | - | - | - | - | - | - | - | - | - | 602 |
| 18-30 | 750 | - | 4 | 4 | - | - | - | - | Fresh and salt water | Oswego | - | - | - | 603 |
| Estimated wells | | | | | 208 | 208 | Estimated secondary recovery | | | | | 210,901 | 375,975 | |
| 435 | | | | | 1,117 | 1,552 | 498 | 16 | | | | | | |
| County | Producing zone, feet | Average depth to producing zone, feet | Flowing | Pumping | Total | No. producing wells drilled in 1960 | No. active injection wells, 1960 | No. injection wells drilled in 1960 | Medium of injection | Source of water | Average bbl. water injected per well per day | Cumulative secondary oil recovery per developed acre, bbl. | Production attributable to secondary recovery in 1960, bbl. | No. |
| 8 | 4,430 | 0 | 15 | 15 | 0 | 3 | 0 | 0 | Salt water | Mississippian | 400 | 296 | * | 604 |
| - | 4,420 | - | 4 | 4 | - | - | - | - | - | - | - | - | * | 605 |
| 19 | | | | | 19 | 3 | | | | | | 35,533 | | |
| County | Producing zone, feet | Average depth to producing zone, feet | Flowing | Pumping | Total | No. producing wells drilled in 1960 | No. active injection wells, 1960 | No. injection wells drilled in 1960 | Medium of injection | Source of water | Average bbl. water injected per well per day | Cumulative secondary oil recovery per developed acre, bbl. | Production attributable to secondary recovery in 1960, bbl. | No. |
| 260 | 3,700 | - | 9 | 9 | 0 | 1 | 0 | 0 | Fresh and salt water | Supply well and Lens.-K.C. | 477 | 0 | 0 | 606 |
| 28 | 3,625 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | Salt water | Lansing Produced | 262 | 416 | 12,482 | 607 |
| 8 | 4,150 | - | 8 | 8 | - | - | - | - | do | Dakota water | - | - | - | 608 |
| 10 | 4,175 | - | 8 | 8 | - | - | - | - | do | Conglomerate | - | - | - | 609 |
| - | 4,260 | - | 4 | 4 | - | - | - | - | - | - | - | - | - | 610 |
| 31 | | | | | 31 | 2 | Estimated secondary recovery | | | | | 30,000 | 42,482 | |
| County | Producing zone, feet | Average depth to producing zone, feet | Flowing | Pumping | Total | No. producing wells drilled in 1960 | No. active injection wells, 1960 | No. injection wells drilled in 1960 | Medium of injection | Source of water | Average bbl. water injected per well per day | Cumulative secondary oil recovery per developed acre, bbl. | Production attributable to secondary recovery in 1960, bbl. | No. |
| 37 | 3,350 | - | 4 | 4 | 0 | 2 | 0 | 0 | Salt water | Cheyenne Sandstone | 6 | 2 | * | 611 |

K1338
v. 24

DATA ON SECONDARY RECOVERY PROJECTS IN KANSAS, 1960

By Goebel, E.D., Hilgman, P.L., Beene, D.L., and Noever, R.J.

State Geological Survey of Kansas

(Includes Neosho thru Woodson Counties)

Sheet 5
Oil and Gas Investigations No. 24

| No. | Field | Operator | Project | Location | Cooperative or unitized | Year started | Total developed acres | Producing Formation | Thickness of producing zone, feet | Average depth to producing zone, feet | Flowing | Pumping | Total | No. producing wells drilled in 1960 | No. active injection wells, 1960 | No. injection wells drilled in 1960 | Medium of injection | Source of water | Average bbl. produced per well per day | Cumulative oil recovery per acre, bbl. | Production attributable to recovery in 1960, bbl. | No. | |
|-----------------|-------------------|----------------------------------|---------------------------|--|-------------------------|--------------|-----------------------|------------------------------------|-----------------------------------|---------------------------------------|---------|---------|-------|-------------------------------------|----------------------------------|-------------------------------------|------------------------------|-----------------------------|--|--|---|-----|-----|
| NEOSHO COUNTY | | | | | | | | | | | | | | | | | | | | | | | |
| 575 | Erle | Earl Beeler | Barshart, Erney, Faust | 34,35-29-20E | Unit. | 1953 | - | "Bartlesville" | - | - | - | 62 | 62 | - | - | - | - | City water and Mississippi | - | - | - | 575 | |
| 576 | do | do | do | 21-28-20E | - | 1959 | - | do | - | 500 | - | 1 | 1 | - | - | - | - | Mississippi | - | - | - | 576 | |
| 577 | do | Deerfield Oil Corp. | Erle | 24,25-28-18E; 19,20,29,30-28-20E | No | 1962 | 440 | do | 12 | 850 | - | 164 | 164 | 23 | - | 15 | Fresh and salt water | City and return | 15 | 2,000 | 25,000 | 577 | |
| 578 | do | J. O. Purvance | Edwards-Purvance | 19,20-28-20E | Unit. | 1949 | 20 | do | 15 | 800 | 0 | 7 | 7 | 0 | 2 | 0 | do | Cherokee Shale and return | 15 | - | 4,025 | 578 | |
| 579 | Humboldt-Chanute | Aylward | MFA-Chanute | 28,29,32,33, 34-27-19E | - | 1958 | - | - | - | - | - | 240 | 240 | - | - | - | - | - | - | - | - | 579 | |
| 580 | do | do | Pioneer Corp. Flood No. 1 | 20,25-27-19E | - | 1961 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 580 | |
| 581 | do | Erle Air Oil Corp. | Odessa Block | 7,18-27-20E | No | 1955 | - | - | - | - | - | 20 | 20 | - | - | - | - | Salt water | - | - | - | 581 | |
| 582 | do | do | Wesler | 4,9-27-18E | - | 1948 | - | do | - | 750 | - | 70 | 70 | - | - | - | - | Mississippian | - | - | - | 582 | |
| 583 | do | Rock Brothers | Lowen Lease | 70-27-19E | No | 1960 | 80 | do | 10 | 690 | 0 | 2 | 2 | 2 | 1 | 1 | Salt water | Oswego | 35 | 0 | 100 | 583 | |
| 584 | do | Caddo Oil Co. | W. M. Wells | 12-28-18E; 6,7-28-19E | Coop. | 1952 | 107 | do | 35 | 750 | 0 | 31 | 31 | 6 | 18 | 0 | do | Mississippian Lime | 75 | 1,115 | 15,740 | 584 | |
| 585 | do | do | do | 14,15-27-19E | Coop. | 1952 | 57 | do | 30 | 825 | 0 | 8 | 8 | 0 | 5 | 0 | do | do | 41 | 418 | 5,560 | 585 | |
| 586 | do | Kess Drig. Co. | Chanute Project | 3,4,5,10,16, 16-27-18E | Coop. | 1979 | 250 | do | 25 | 750 | 48 | 87 | 135 | 0 | 82 | 0 | Fresh and salt | Gravel and Return water | 41 | 5,465.68 | 29,207 | 586 | |
| 587 | do | do | Russell Unit | 6,7-27-19E; 1,2,10,11,12, 14,15,21,22, 23,27,28-27-18E | Coop. | 1978 | 1,151 | do | 25 | 760 | 387 | 19 | 406 | 0 | 374 | 0 | do | do | 38 | 3,896.23 | 76,942 | 587 | |
| 588 | do | Powell Drig. Co. | Kessan Lease | 30-27-18E | No | 1959 | - | do | 7 | 725 | 0 | 6 | 6 | 0 | 1 | 0 | Fresh | Upper Formation | - | - | 3,500 | 588 | |
| 589 | do | Sage | Pickle | 20-28-18E | - | 1954 | - | do | - | 800 | - | 4 | 4 | - | - | - | - | - | - | - | - | 589 | |
| 590 | do | Weylist | Russman | 54-27-18E; 3-28-18E | - | 1959 | - | do | - | 750 | - | 7 | 7 | - | - | - | - | - | - | - | - | 590 | |
| 591 | Morehead | Creek Oil and Gas Co., Inc. | Morehead Project | 18,30-30-18E | No | 1958 | 18 | do | 17 | 850 | - | 12 | 12 | 0 | 7 | 0 | Salt water | Kansas City and return | 14 | 565 | 4,601 | 591 | |
| 592 | St. Paul-Walnut | Carroll | Butler | 30-28-21E | - | 1958 | - | do | - | 440 | - | 25 | 25 | - | - | - | - | - | - | - | - | 592 | |
| 593 | do | Erle Oil | Dent | 21,28-29-21E | No | 1953 | - | do | - | 450 | - | 10 | 10 | - | - | - | - | Fresh water | - | - | - | 593 | |
| 594 | do | E. S. Faulkner | Henry Van Leuven | 33-28-21E | No | 1956 | - | do | - | - | - | 25 | 25 | - | - | - | - | do | - | - | - | 594 | |
| 595 | Trent | CMI | Nasen | 23-28-20E | - | 1959 | - | do | - | 500 | - | 17 | 17 | - | - | - | - | do | - | - | - | 595 | |
| 596 | do | Joey | Blaine | 23-28-20E | - | 1959 | - | do | - | 475 | - | 8 | 8 | - | - | - | - | do | - | - | - | 596 | |
| 597 | do | do | Fouts | 16-28-20E | - | 1959 | - | do | - | 500 | - | 4 | 4 | - | - | - | - | do | - | - | - | 597 | |
| 598 | do | Marcellis | "Bartlesville" | 22-28-20E | - | 1957 | - | do | - | 480 | - | 17 | 17 | - | - | - | - | do | - | - | - | 598 | |
| 599 | do | R and D Oil Lease | Arthur Blane | 24-28-20E | Unit. | 1968 | - | do | 15 | 500 | - | 6 | 6 | - | - | - | - | Salt water | Oswego | - | - | 599 | |
| 600 | do | V. R. Myatt | V. R. Myatt Unit | 14,15,22-28-20E | No | 1960 | 60 | do | 16 | 475 | 0 | 17 | 17 | 2 | 3 | 0 | Fresh | Fresh well | 15 | 0 | - | 600 | |
| 601 | Urbana | Creek Oil and Gas Co., Inc. | Wells Project | 27-28-18E | No | 1959 | 46 | do | 11 | 750 | - | 8 | 8 | 0 | 5 | 0 | Salt water | Kansas City and return | 31 | 71 | 2,466 | 601 | |
| 602 | do | Deerfield Oil | Ormsa Unit | 23,33-28-18E | - | 1958 | - | do | - | 680 | - | 28 | 28 | - | - | - | - | do | - | - | - | 602 | |
| 603 | do | Lewis S. Taylor | Lewis S. Taylor | 26,27-28-18E | No | 1959 | - | do | 18-30 | 750 | - | 4 | 4 | - | - | - | - | Fresh and salt water | Oswego | - | - | - | 603 |
| | | | | | | | | | | Estimated wells | 208 | 208 | 438 | 438 | 18 | 18 | Estimated secondary recovery | | | | | | |
| | | | | | | | | | | 475 | 1,111 | 1,552 | 438 | 438 | 18 | 18 | 375,375 | | | | | | |
| NEOSHO COUNTY | | | | | | | | | | | | | | | | | | | | | | | |
| 604 | Aldrich | Cooperative Refinery Association | Aldrich Pool | 13,14,23,24-18-20E | No | 1956 | 360 | Mississippian | 8 | 4,430 | 0 | 15 | 15 | 0 | 3 | 0 | Salt water | Mississippian | 400 | 296 | - | 604 | |
| 605 | do | Tennessee Gas | Everett | 7,8-18-20E | - | 1960 | - | do | - | 4,420 | - | 4 | 4 | - | - | - | - | - | - | - | - | 605 | |
| | | | | | | | | | | 17 | 17 | 19 | 19 | - | - | - | 35,333 | | | | | | |
| PAWNEE COUNTY | | | | | | | | | | | | | | | | | | | | | | | |
| 606 | Benson | Cities Service Oil | Benson-Southeast | 31,32-23-15W | Unit. | 1958 | 112 | Lans.-K.C. | 250 | 3,700 | - | 9 | 9 | 0 | 1 | 0 | Fresh and salt water | Supply well and Lans.-K.C. | 477 | 0 | 0 | 606 | |
| 607 | do | Pan American | Lans.-K.C. | 19,30-23-15W | Coop. | 1960 | 50 | Lansing | 28 | 3,625 | 0 | 2 | 2 | 0 | 1 | 0 | Salt water | Lansing Produced | 262 | 416 | 12,482 | 607 | |
| 608 | Garfield | Clark Knight Drig. Co. | Hutchinson Estate | 2-23-17E | No | 1959 | - | Pennsylvanian-Mississippian | 8 | 4,150 | - | 8 | 8 | - | - | - | - | do | Dakota water | - | - | - | 608 |
| 609 | do | Colorado Oil and Gas | Hutchinson "H" | 3-23-17E | Coop. | 1959 | - | Conglomerate | 10 | 4,175 | - | 8 | 8 | - | - | - | - | do | Conglomerate | - | - | - | 609 |
| 610 | Shiley East | National Coop. Refg. Assoc. | Cherokee | 7,18-20-19W | - | 1958 | - | Cherokee | - | 4,260 | - | 4 | 4 | - | - | - | - | - | - | - | - | 610 | |
| | | | | | | | | | | 147 | 147 | 31 | 31 | - | - | - | Estimated secondary recovery | | | | | | |
| | | | | | | | | | | 475 | 1,111 | 1,552 | 438 | 438 | 18 | 18 | 42,482 | | | | | | |
| PHILLIPS COUNTY | | | | | | | | | | | | | | | | | | | | | | | |
| 611 | Dayton | Humble Oil and Refg. Co. | Dayton Unit | 25,26,35,36-2-19W | Unit. | 1960 | 150 | Toronto and Kansas City Limestones | 37 | 3,750 | - | 4 | 4 | 0 | 2 | 0 | Salt water | Cheyenne Sandstone | 6 | 2 | - | 611 | |
| 612 | Huffstutter | Thos. H. Allan | Huffstutter Unit | 13-2-19W | Coop. | 1960 | 360 | Lans.-K.C. | 10 | 3,300 | - | 8 | 8 | 0 | 0 | 0 | do | Dakota Sandstone | 150 | 0 | 0 | 612 | |
| 613 | do | Petroleum Management | do | 23-2-19W | Coop. | 1960 | 150 | do | - | 4,400 | - | 4 | 4 | 0 | 1 | 0 | do | do | 127 | 4 | 5,637 | 613 | |
| 614 | do | do | North Huffstutter Unit | 16,17,20,21, 22,23,28-1-18W | Unit. | 1959 | - | do | 165 | 3,330 | - | 42 | 42 | - | - | - | - | do | do | - | - | 614 | |
| 615 | Mont-Sol | Sohio Petroleum Co. | Mont-Sol Lans.-K.C. Unit | 6,7-4-18W; 1,12-4-19W | Unit. | 1960 | 100 | do | 28 | 3,200 | - | 4 | 4 | 0 | 1 | 0 | do | do | 310 | 36 | 3,580 | 615 | |
| 616 | Stuttgart | Phillips | Stuttgart Unit | 13,14,23-3-19W | do | 1952 | 165 | do | 35 | 3,200 | - | 7 | 7 | 0 | 4 | 1 | do | do | 300 | 720 | 16,600 | 616 | |
| | | | | | | | | | | 335 | 335 | 39 | 39 | 11 | 11 | 1 | 35,410 | | | | | | |
| PRATT COUNTY | | | | | | | | | | | | | | | | | | | | | | | |
| 617 | Chance | General American | Chance | 33-26-13W | - | 1960 | - | Viola | - | 4,300 | - | 23 | 23 | - | - | - | - | - | - | - | - | 617 | |
| 618 | do | do | Strait and Drews | 28,34-26-13W | - | 1959 | - | do | - | 4,250 | - | 11 | 11 | - | - | - | - | - | - | - | - | 618 | |
| 619 | do | do | Chance Pool | 33-26-13W | No | 1960 | - | do | - | 4,300 | 0 | 4 | 4 | 0 | 1 | 0 | Fresh water | Shallow well | 225 | 0 | 0 | 619 | |
| 620 | Chitwood | Monasato Chemical Co. | Chitwood Unit | 14,22,25,26, 27-23-12W | Unit. | 1955 | 1,492 | Simpson | 26 | 4,390 | 0 | 37 | 37 | 0 | 17 | 0 | Salt water | Topoka and Produced Simpson | 670 | 1,935 | 844,476 | 620 | |
| 621 | Cunningham | Skelly Oil Co. | Southeast Cunningham | 36-27-11W; 2,3-28-11W | 100 o/o | 1958 | 320 | Lansing | 7 | 3,801 | - | 8 | 8 | 0 | 1 | 0 | Fresh water | Shallow gravel | 181 | 0 | 0 | 621 | |
| 622 | Frieble | Texas, Inc. | F. Smith | 6-26-13W | owned | 1957 | 120 | do | - | 3,910 | 0 | 5 | 5 | 0 | 1 | 0 | Salt water | Produced | 35 | - | 6,659 | 622 | |
| 623 | Frieble Northeast | Skelly Oil Co. | Northwest Frieble | 4,6-26-13W | do | 1960 | 30 | do | 18 | 3,710 | - | 2 | 2 | 0 | 1 | 0 | Fresh water | Shallow sand and gravel | 235 | 0 | 0 | 623 | |
| 624 | Iuka-Carnal | Beardmore Drig. Co. | Seidel | 19-27-12W | No | 1959 | 40 | Simpson | 10 | 4,300 | 0 | 3 | 3 | 0 | 1 | 0 | do | 300 ft. well | 225 | 0 | 0 | 624 | |
| 625 | do | Cooperative Refinery Association | Rosenman | 6-27-12W; 36-26-13W; 31-26-12W | Coop. | 1959 | 360 | do | 33 | 4,230 | 0 | 14 | 14 | 0 | 3 | 0 | Salt water | Shallow well | 300 | 28.9 | 10,410 | 625 | |
| 626 | do | do | | | | | | | | | | | | | | | | | | | | | |

| No. | Field | Operator | Project | Location | Cooperative or unit | Year started | Total developed acres | Producing formation | Thickness of producing zone, feet | Average depth to producing zone, feet | Flowing | Pumping | Total | No. producing wells drilled to 1960 | No. active wells, 1960 | No. injection wells in 1960 | Medium of injection | Source of water | Average bbl. oil produced per well per day | Cumulative oil recovery, all developed acres, bbl. | Production attributable to recovery in 1960, bbl. | No. |
|----------------------------|-------------|---|-------------------------------|---------------------------------|---------------------|--------------|-----------------------|------------------------|-----------------------------------|---------------------------------------|---------|---------|-------|-------------------------------------|------------------------|-----------------------------|--|---|--|--|---|-----|
| 705 | Hall-Gurney | Cooperative Refinery Assoc. | Herbert and Horace Pink | 15,16-14-14W | No | 1957 | 280 | Lans.-K.C. | 17 | 3,070 | 0 | 7 | 7 | 0 | 1 | 0 | Produced water | Produced water | 350 | 287 | 27,295 | 705 |
| 706 | do | Duke Drig. | Borberger | 21-14-14W | - | 1956 | - | do | - | 3,026 | - | 3 | 3 | - | - | - | - | - | - | - | - | 706 |
| 707 | do | Harry Gore | do | 26-14-14W | - | 1954 | - | do | - | 2,900 | - | 6 | 6 | - | - | - | - | - | - | - | - | 707 |
| 708 | do | Theodore Gore | Kastrap | 10,15-16-15 12W | - | 1958 | - | do | - | 3,030 | - | 6 | 6 | - | - | - | - | - | - | - | - | 708 |
| 709 | do | Gulf Oil Corp. | H. A. Pink (Pilot) | 15-14-14W | Coop. | 1950 | - | do | - | 3,000 | 0 | 3 | 3 | 0 | 1 | 1 | Salt water | Produced | 110 | - | - | 709 |
| 710 | do | Keystone Petroleum | Helmsmaster Repressure | 25-14-15W | - | 1955 | - | do | - | 2,170 | - | 7 | 7 | - | - | - | - | - | - | - | - | 710 |
| 711 | do | Martin Drig. Co. | Tarkio Unit | 15,14,24-14 14W;17,18,20-14-15W | - | 1959 | - | do | - | 2,550 | - | 45 | 45 | - | - | - | - | - | - | - | - | 711 |
| 712 | do | National Cooperative Refinery Association | Rein "A"-Tarkio Flood | 15-14-15W | Coop. | 1959 | 70 | Tarkio Sand | 11 | 2,725 | - | 5 | 5 | 0 | 2 | 0 | Salt water | Dakota formation | 100 | 58 | 4,500 | 712 |
| 713 | do | R. F. Nixon | Boad Unit | 23-14-15W | No | 1950 | 160 | do | 5 | 2,700 | 0 | 7 | 7 | 0 | 3 | 2 | Fresh water | Shallow well | 128 | 25.2 | 4,035 | 713 |
| 714 | do | Pan American | Frug | 27,28-14-14W | Coop. | 1955 | 480 | Lansing | 156 | 3,000 | 0 | 6 | 18 | 0 | 8 | 0 | Salt water | Dakota Sand | 87 | 1,455 | 169,069 | 714 |
| 715 | do | do | Ben Rein Lease | 25-14-14W | Coop. | 1957 | 120 | do | 20 | 2,950 | 0 | 3 | 3 | 0 | 2 | 0 | Salt water | Lansing and produced water | 249 | 1,845 | 7,722 | 715 |
| 716 | do | Petroleum Management, Inc. | Hall-Gurney | 21-14-14W | Coop. | 1959 | 40 | Lans.-K.C. | 20 | 3,110 | - | 2 | 2 | 0 | 1 | 0 | do | Lans.-K.C. | 180 | 889 | 12,900 | 716 |
| 717 | do | J. W. Shields | Gustafson | 14-15-12W | - | 1959 | - | do | - | 2,840 | - | 2 | 2 | - | - | - | - | - | - | - | - | 717 |
| 718 | do | Shields Oil | Miller | 31-14-15W | - | 1960 | - | Lans.-K.C. | - | 2,900 | - | 4 | 4 | - | - | - | - | - | - | - | - | 718 |
| 719 | do | Morris Strin | Herbal | 26,30-14-14W | - | 1958 | - | Kansas City | - | 3,000 | - | 10 | 10 | - | - | - | - | - | - | - | - | 719 |
| 720 | do | Skelly Oil Co. | Hall-Gurney Area | 25,29,32-14 15W;28-14-14W | Coop. | 1950 | 990 | Lansing Lime | 18 | 2,890 | - | 30 | 30 | 0 | 7 | 0 | Salt water | Arbuckle, Dakota, and Lansing | 160 | 284 | 67,326 | 720 |
| 721 | do | do | Hall-Gurney Tarkio | 30-14-15W | Coop. | 1959 | 160 | Tarkio Sand | 10 | 2,250 | - | 6 | 6 | 0 | 2 | 0 | do | Dakota | 162 | 15 | 2,044 | 721 |
| 722 | do | Sunray Mid-Continent | Borberger | 32-14-14W | Coop. | 1956 | 80 | Lansing | 20 | 2,950 | - | 3 | 3 | 0 | 1 | 0 | do | Lansing and Cheyenne | 389 | 2,772 | 20,656 | 722 |
| 723 | do | do | Strocker A and B Lansing | 25-14-14W | No | 1956 | 167 | do | 15 | 2,920 | - | 5 | 5 | 0 | 1 | 0 | do | Produced from Lansing | 642 | 437 | 26,600 | 723 |
| 724 | do | do | Strocker A and B Tarkio | 25-14-14W | Coop. | 1959 | 145 | Tarkio | 7 | 2,297 | - | 7 | 7 | 1 | 3 | 0 | do | Produced from Tarkio | 180 | 245 | 35,221 | 724 |
| 725 | do | Texaco, Inc. | E. A. Borell | 32-14-12W | - | 1959 | 40 | Lansing Lime | 1 | 3,100 | 0 | 2 | 2 | 0 | 0 | 0 | - | - | 0 | - | 11,394 | 725 |
| 726 | do | do | G. Boxberger "A" and "B" | 22-14-14W | Coop. | 1951 | 200 | do | 7 | 3,100 | 0 | 8 | 8 | 0 | 4 | 0 | Salt water | Produced | 850 | - | 28,521 | 726 |
| 727 | do | do | R. L. and S. J. Boxberger | 10,11,14,15-14-14W | - | 1954 | 230 | do | 1 | 3,090 | 0 | 11 | 11 | 0 | 6 | 0 | do | do | 1,100 | - | 49,166 | 727 |
| 728 | do | do | S. P. Gurney | 23-14-14W | Coop. | 1955 | 120 | do | 1 | 3,150 | 0 | 4 | 4 | 0 | 2 | 0 | do | do | 318 | - | 14,722 | 728 |
| 729 | do | do | O. Kaufman | 9-15-12W | - | 1957 | 80 | do | 1 | 3,000 | 0 | 3 | 3 | 0 | 1 | 0 | Salt water | do | 366 | - | 0 | 729 |
| 730 | do | do | D. Hall | 35-14-14W | - | 1958 | 50 | do | 1 | 2,900 | 0 | 4 | 4 | 0 | 1 | 0 | do | Dakota Sand and Produced | 13 | - | 0 | 730 |
| 731 | do | do | Wohl and Shaffer | 16-14-15W | Coop. | 1953 | 220 | Tarkio Sand | 11 | 2,725 | 0 | 10 | 10 | 0 | 11 | 0 | do | Cheyenne, Dakota, and Produced | 940 | - | 44,692 | 731 |
| 732 | do | Woland Corp. | Blair | 8-14-15W | - | 1956 | - | Tarkio | - | 2,400 | - | 4 | 4 | - | - | - | - | - | - | - | - | 732 |
| 733 | do | Frank Wood Drig. Co. | Rein-Rein | 22,23-14-15W | - | 1956 | - | do | - | 2,290 | - | 10 | 10 | - | - | - | - | - | - | - | - | 733 |
| 734 | do | Woodman-Gamitti | Rein | 13,24-15-12W | - | 1958 | - | Kansas City | - | 3,000 | - | 11 | 11 | - | - | - | - | - | - | - | - | 734 |
| 735 | Trapp | Cities Service Petroleum | Richman "A" Lans.-K.C. | 15,15-15-14W | Coop. | 1957 | 159 | Lans.-K.C. | 12 | 3,000 | - | 11 | 11 | - | 5 | 0 | Salt water | Arbuckle and Lans.-K.C. | 285 | 672 | 50,971 | 735 |
| 736 | do | do | Rogge "D" Lans.-K.C. | 9-15-15W | Coop. | 1950 | 160 | do | 28 | 3,090 | 0 | 5 | 5 | 0 | 3 | 0 | do | Arbuckle, Dakota and Lans.-K.C. | 438 | 13 | 2,016 | 736 |
| 737 | do | Cooperative Refinery Assoc. | Gale Sellens | 19-15-15W | No | 1950 | 150 | do | 25 | 3,020 | 0 | 6 | 6 | 0 | 1 | 0 | do | Produced Lans.-K.C. | - | 14.6 | 1,894 | 737 |
| 738 | do | do | George Sellens | 20-15-15W | No | 1959 | 160 | do | 30 | 3,040 | 0 | 7 | 7 | 0 | 1 | 0 | do | Lans.-K.C. | 620 | 199 | 25,676 | 738 |
| 739 | do | Humble Oil | Detrich Unit | 7,8,17,18-15-15W | - | 1960 | - | do | - | 3,100 | - | 27 | 27 | - | - | - | - | - | - | - | - | 739 |
| 740 | do | Isarn-Hells | Schultz-Waburg | 18-15-15W | - | 1960 | - | do | - | 3,150 | - | 6 | 6 | - | - | - | - | - | - | - | - | 740 |
| 741 | do | San Miel | Lansing | 14-15-14W | - | 1957 | - | do | - | 3,140 | - | 3 | 3 | - | - | - | - | - | - | - | - | 741 |
| 742 | do | National Cooperative Refinery Association | Flagler "B"-Tarkio Flood | 2,11-15-14W | No | 1956 | 85 | Tarkio | 8 | 2,725 | - | 8 | 8 | 0 | 1 | 0 | Salt water | Kansas City-Tarkio | 370 | 234 | 6,935 | 742 |
| 743 | do | do | Flagler "C"-Kansas City Flood | 2,11-15-14W | No | 1956 | 100 | Kansas City | 12 | 3,057 | - | 6 | 6 | 0 | 1 | 0 | do | Arbuckle, Kansas City, Topeka and Toronto | 685 | 75 | 3,149 | 743 |
| 744 | do | Pan American | Northeast Trapp | 4,9-15-15W | Coop. | 1950 | 1,030 | Lansing | 55 | 3,010 | 0 | 10 | 10 | 0 | 9 | 0 | do | Arbuckle, Kansas City, Topeka and Toronto | 551 | 3 | 2,819 | 744 |
| 745 | do | Phillips Petroleum | Rosenberg | 9-15-15W | - | 1959 | - | Lans.-K.C. | - | 3,000 | - | 3 | 3 | - | - | - | - | - | - | - | - | 745 |
| 746 | do | R. W. Shields | Gross | 5-15-15W | - | 1956 | - | do | - | 3,000 | - | 3 | 3 | - | - | - | - | - | - | - | - | 746 |
| 747 | do | Shields Oil Producers, Inc. | Northeast Trapp | 11-15-15W | Coop. | 1950 | 160 | do | 160 | 3,050 | - | 6 | 6 | - | 3 | 0 | Salt water | Cheyenne and Dakota | 500 | 20.74 | 3,316 | 747 |
| 748 | do | R. Shumaker | Michel | 1-15-14W | - | 1959 | - | do | - | 3,150 | - | 2 | 2 | - | - | - | - | - | - | - | - | 748 |
| 749 | do | R. H. Stefford | Ross | 11-15-15W | - | 1957 | - | do | - | 3,050 | - | 3 | 3 | - | - | - | - | - | - | - | - | 749 |
| 750 | do | Skelly Oil Co. | Rein | 15-15-15W | - | 1950 | - | Lansing | - | 3,150 | - | 15 | 15 | - | - | - | - | - | - | - | - | 750 |
| 751 | do | Solo Petroleum Co. | Northeast Trapp | 10-15-15W | Coop. | 1960 | 100 | Lans.-K.C. | 10 | 3,050 | 0 | 3 | 3 | 0 | 3 | 0 | Salt water | Dakota | 500 | 0 | 0 | 751 |
| 752 | do | Sunray Mid-Continent | Trapp Pool Lansing | 25,26,35,36-15-15W | No | 1957 | 70 | Lansing | 19 | 3,110 | - | 5 | 5 | 0 | 1 | 0 | do | Produced from Lansing and Arbuckle | 248 | 0 | 0 | 752 |
| | | | | | | | | | 7,795 | | | | 549 | 549 | 120 | 5 | Estimated secondary recovery 337,600 1,192,655 | | | | | |
| RUSSELL AND HILLS COUNTIES | | | | | | | | | | | | | | | | | | | | | | |
| 753 | Fairport | Pan American | Kate Austin | 30,31-12-15W | Coop. | 1952 | 450 | "Dodge" and Lans.-K.C. | 90 | 3,000 | 0 | 14 | 14 | 0 | 2 | 0 | Salt water | Dakota Sand | 465 | 458 | 36,450 | 753 |
| SALINE COUNTY | | | | | | | | | | | | | | | | | | | | | | |
| 754 | Salina | Natural Gas and Oil Co. | Prescott | 17-14-2W | Coop. | 1958 | 160 | Viola Lime | 10 | 3,225 | 0 | 4 | 4 | | | | | | | | | |

553.28
K1338
v. 24

GEOLOGICAL

DATA ON SECONDARY RECOVER

By Goebel, E. D., Hilpman, P. L.

State Geological Survey of Kansas

(Includes Neosho th

| No. | Field | Operator | Project | Location | Cooperative or unitized | Year started | Total developed acres | Producing formation |
|-----|------------------|----------------------------------|---------------------------|---|-------------------------|--------------|-----------------------|------------------------------|
| 575 | Erie | Earl Beeler | Barnhart, Ermsy, Faust | 34,35-28-20E | Unit. | 1953 | - | "Bartlesville" |
| 576 | do | do | Hudson | 21-28-20E | - | 1959 | - | do |
| 577 | do | Deerfield Oil Corp. | Erie | 24,25-28-19E; 19,20,29,30-28-20E | No | 1952 | 440 | do |
| 578 | do | J. O. Purvance | Edwards-Purvance | 19,20-28-20E | Unit. | 1949 | 20 | do |
| 579 | Humboldt-Chanute | Aylward | MFA-Chanute | 28,29,32,33, 34-27-19E | - | 1938 | - | - |
| 580 | do | do | Pioneer Corp. Flood No. 1 | 20,29-27-19E | - | 1951 | - | - |
| 581 | do | Belle Air Oil Corp. | Odense Block | 7,18-27-20E | No | 1953 | - | "Bartlesville" |
| 582 | do | do | Weiner | 4,9-27-18E | - | 1949 | - | do |
| 583 | do | Buck Brothers | Lowen Lease | 30-27-19E | No | 1960 | 80 | do |
| 584 | do | Caddo Oil Co. | W. M. Wells | 12-28-18E; 6,7-28-19E | Coop. | 1952 | 107 | do |
| 585 | do | do | do | 14,15-27-19E | Coop. | 1952 | 57 | do |
| 586 | do | Keas Drlg. Co. | Chanute Project | 3,4,9,10,15, 16-27-18E | Coop. | 1939 | 290 | do |
| 587 | do | do | Russell Unit | 6,7-27-19E; 1,2,10,11,12, 14,15,21,22, 23,27,28-27-18E | Coop. | 1938 | 1,151 | do |
| 588 | do | Powell Drlg. Co. | Keenan Lease | 30-27-19E | No | 1959 | - | do |
| 589 | do | Sage | Fickle | 20-28-18E | - | 1954 | - | do |
| 590 | do | Weygint | Russman | 34-27-18E; 3-28-18E | - | 1959 | - | do |
| 591 | Morehead | Creek Oil and Gas Co., Inc. | Morehead Project | 18,30-30-18E | No | 1958 | 18 | do |
| 592 | St. Paul-Walnut | Carroll | Butler | 30-28-21E | - | 1958 | - | do |
| 593 | do | Erie Oil | Dent | 21,28-28-21E | No | 1953 | - | do |
| 594 | do | E. S. Faulkner | Henry Van Leeuwen | 33-28-21E | No | 1955 | - | do |
| 595 | Trent | CMH | Hazen | 23-28-20E | - | 1959 | - | do |
| 596 | do | Joey | Blaine | 23-28-20E | - | 1959 | - | do |
| 597 | do | do | Fouts | 16-28-20E | - | 1959 | - | do |
| 598 | do | Marsalis | "Bartlesville" | 22-28-20E | - | 1957 | - | do |
| 599 | do | R and D Oil Lease | Arthur Blame | 24-28-20E | Unit. | 1958 | - | do |
| 600 | do | V. R. Wyatt | V. R. Wyatt Unit | 14,15,22-28-20E | No | 1960 | 60 | do |
| 601 | Urbana | Creek Oil and Gas Co., Inc. | Wells Project | 27-28-18E | No | 1959 | 46 | do |
| 602 | do | Deerfield Oil | Urbana Unit | 33,35-28-18E | - | 1958 | - | do |
| 603 | do | Lewis E. Taylor | Lewis E. Taylor | 26,27-28-18E | No | 1959 | - | do |
| | | | | | | | 2,269 | |
| 604 | Aldrich | Cooperative Refinery Association | Aldrich Pool | 13,14,23,24-18-26W | No | 1956 | 360 | Mississippian |
| 605 | do | Tennessee Gas | Everett | 7,8-18-25W | - | 1960 | - | do |
| | | | | | | | 360 | |
| 606 | Benson | Cities Service Oil | Benson-Southeast | 31,32-23-15W | Unit. | 1958 | 112 | Lans.-K.C. |
| 607 | do | Pan American | Lans.-K.C. | 19,30-23-15W | Coop. | 1960 | 30 | Lansing |
| 608 | Garfield | Clark Knight Drlg. Co. | Benson | 3-23-17W | No | 1959 | - | Pennsylvanian-Mississippian |
| 609 | do | Colorado Oil and Gas | Hutchinson "H" | 3-23-17W | Coop. | 1959 | - | Conglomerate |
| 610 | Shiley East | National Coop. Refg. Assoc. | Cherokee | 7,18-20-19W | - | 1956 | - | Cherokee |
| | | | | | | | 142 | |
| 611 | Dayton | Humble Oil and Refg. Co. | Dayton Unit | 25,26,35,36-2-19W | Unit. | 1960 | 150 | Toronto and Kansas City Lime |